

Service Manual

Plasma Television



TC-P50GT30A

Chassi GPF14D-A



WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE


There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

TABLE OF CONTENTS

1 Safety Precautions	3	9.17. Remove the S-Board	26
1.1. General Guidelines	3	9.18. Remove the V-Board	26
1.2. Touch-Current Check	3	9.19. Remove the Bottom cabinet assy	26
2 Warning	4	9.20. Remove the Plasma panel from the Cabinet assy	27
2.1. Prevention of Electrostatic Discharge (ESD)	4	9.21. Remove the Contact metals	27
2.2. About lead free solder (PbF)	5	9.22. Remove the C1-Board	27
3 Service Navigation	6	9.23. Remove the C2-Board	28
3.1. PCB Layout	6	9.24. Remove the C3-Board	28
3.2. Applicable signals	7	9.25. Replace the Plasma panel	28
4. Specifications	8	10 Measurements and Adjustments	29
5 Technical Descriptions	9	10.1. Adjustment	29
5.1. Specification of KEY for CI Plus, DTCP-IP, WIDEVINE and One-to-One	9	11 Block Diagram	37
5.2. USB HDD Recording	9	12 Wiring Connection Diagram	42
6 Service Mode	10	13. Schematic Diagram	45
6.1. How to enter into Service Mode	10	13.1. Schematic Diagram Notes	45
6.2. Option - Mirror	12	13.2. P Board and P2 Board Schematic Diagram	46
6.3. Service tool mode	12	13.3. A Board Schematic Diagram	47
6.4. Hotel mode	13	13.22. K Board Schematic Diagram	66
6.5. Data Copy by SD Card	14	13.23. S Board Schematic Diagram	67
7 Troubleshooting Guide	17	13.24. V Board Schematic Diagram	67
7.1. Check of the IIC bus lines	17	13.25. C1 Board Schematic Diagram	68
7.2. Power LED Blinking timing chart	18	13.26. C2 Board Schematic Diagram	69
7.3. No Power	18	13.27. C3 Board Schematic Diagram	70
7.4. No Picture	19	13.28. SC Board Schematic Diagram	71
7.5. Local screen failure	20	13.30. SS Board Schematic Diagram	73
8 Service Fixture & Tools	21	13.31. SS2 Board Schematic Diagram	74
8.1. SC jig	21	13.32. SU Board Schematic Diagram	75
9 Disassembly and Assembly Instructions	22	13.33. SD Board Schematic Diagram	75
9.1. Remove the Rear cover	22	14. Printed Circuit Boards	76
9.2. Remove the AC inlet	22	14.1. P Board	76
9.3. Remove the P-Board	22	14.3. P2 Board	78
9.4. Remove the P2-Board	22	14.4. A Board	79
9.5. Remove the Terminal covers and the shield metals	23	14.6. K, S and V Boards	81
9.6. Remove the A-Board	23	14.7. C1 Board	82
9.7. Remove the Side unit assy	23	14.8. C2 Board	82
9.8. Remove the SU-Board	24	14.9. C3 Board	83
9.9. Remove the SD-Board	24	14.10. SC Board	84
9.10. Remove the SC-Board	24	14.12. SS Board	85
9.11. Remove the SS-Board	25	14.14. SS2 Board	87
9.12. Remove the SS2-Board	25	15. Exploded View and Replacement Parts List	88
9.13. Remove the Fan	25	15.1. Replacement Parts List Note	88
9.14. Remove the Speakers	25	15.2. Exploded View and Mechanical Replacement Parts List	89
9.15. Remove the Stand bracket	26	15.2.1. Cabinet Exploded View	89
9.16. Remove the K-Board	26	15.2.2. Accessories Exploded View	90
		15.2.3. Mechanical Replacement Parts List	91
		15.3. Electrical Replacement Parts List	92

1 Safety Precautions

1.1. General Guidelines

1. When conducting repairs and servicing, do not attempt to modify the equipment, its parts or its materials.
2. When wiring units (with cables, flexible cables or lead wires) are supplied as repair parts and only one wire or some of the wires have been broken or disconnected, do not attempt to repair or re-wire the units. Replace the entire wiring unit instead.
3. When conducting repairs and servicing, do not twist the Fasten connectors but plug them straight in or unplug them straight out.
4. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
5. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
6. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Touch-Current Check

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.
3. Use Leakage Current Tester (Simpson 228 or equivalent) to measure the potential across the measuring network.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reserve the AC plug in the AC outlet and repeat each of the above measure.
6. The potential at any point (TOUCH CURRENT) expressed as voltage U_1 and U_2 , does not exceed the following values:

For a. c.: $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);

For d. c.: $U_1 = 1.0 \text{ V}$,

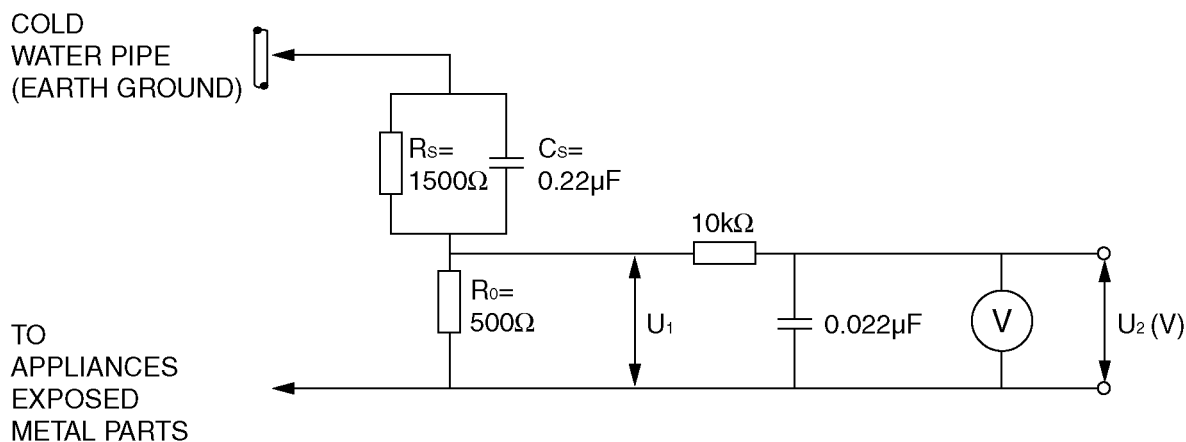
Note:

The limit value of $U_2 = 0.35 \text{ V}$ (peak) for a. c. and $U_1 = 1.0 \text{ V}$ for d. c. correspond to the values 0.7 mA (peak) a. c. and 2.0 mA d. c.

The limit value $U_1 = 35 \text{ V}$ (peak) for a. c. correspond to the value 70 mA (peak) a. c. for frequencies greater than 100 kHz .

7. In case a measurement is out of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Measuring network for TOUCH CURRENTS



Resistance values in ohms (Ω)

V: Voltmeter or oscilloscope
(r.m.s. or peak reading)

Input resistance: $\geq 1 \text{ M}\Omega$

Input capacitance: $\leq 200 \text{ pF}$

Frequency range: 15 Hz to 1 MHz and d.c. respectively

NOTE - Appropriate measures should be taken to obtain the correct value in case of non-sinusoidal waveforms.

Figure 1

2 Warning

2.1. Prevention of Electrostatic Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor [chip] components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as [anti-static (ESD protected)] can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise ham less motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

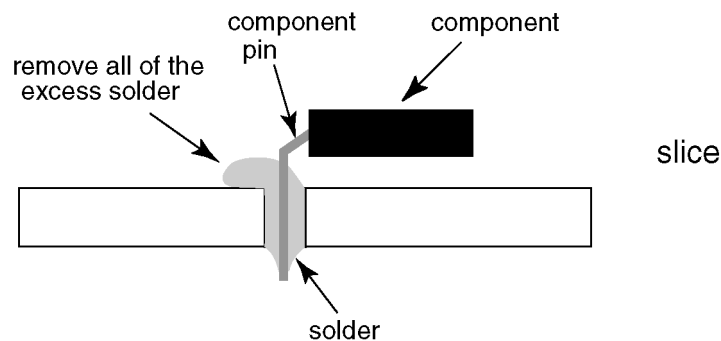
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol **PbF** stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

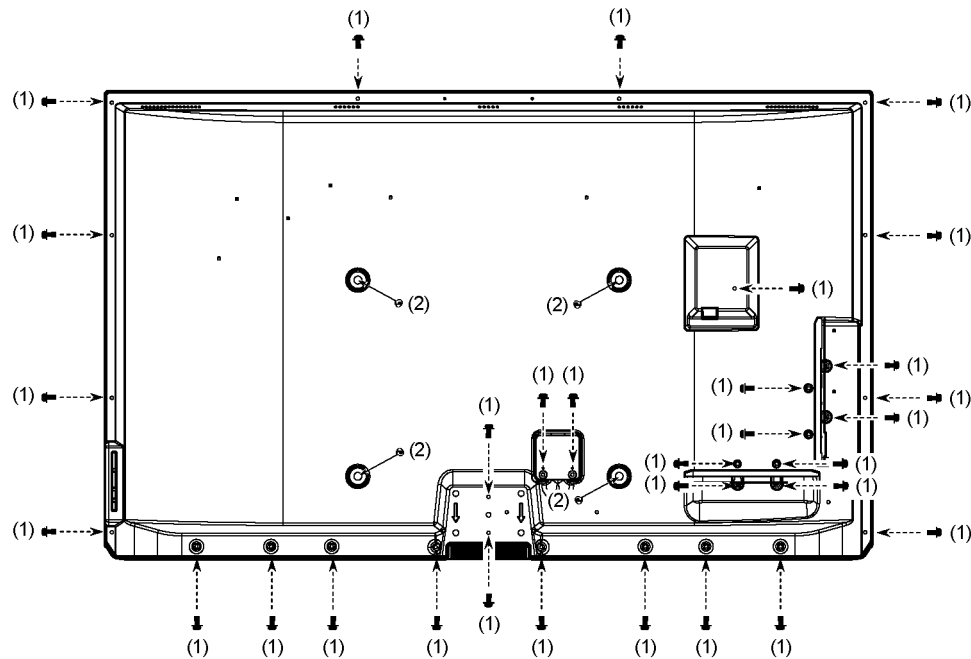
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g

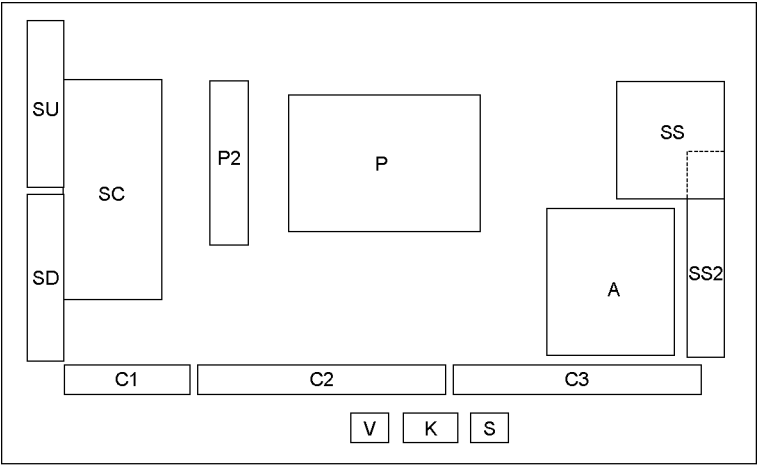
3 Service Navigation

3.1. PCB Layout

Remove the Rear cover



Remove:
31screws (1) THEJ0409
4screws (2) TKKL5493



Board Name	Function	Board Name	Function
P	Power Supply	C1	Data Driver (Lower Right)
P2	Power Supply	C2	Data Driver (Lower Center)
A	Main AV input, processing	C3	Data Driver (Lower Left)
K	Remote receiver, Power LED, C.A.T.S sensor	SC	Scan Drive
S	Power switch	SS	Sustain Drive
V	3D Eyewear transmitter	SS2	Sustain out
		SU	Scan out (Upper) Non serviceable. SU-Board should be exchanged for service.
		SD	Scan out (Lower) Non serviceable. SD-Board should be exchanged for service.

3.2. Applicable signals

COMPONENT (Y, P_B/C_B, P_R/C_R), HDMI

* Mark: Applicable input signal

Signal name	COMPONENT	HDMI
525 (480) / 60i	*	*
525 (480) / 60p	*	*
625 (576) / 50i	*	*
625 (576) / 50p	*	*
750 (720) / 60p	*	*
750 (720) / 50p	*	*
1,125 (1,080) / 60i	*	*
1,125 (1,080) / 50i	*	*
1,125 (1,080) / 60p	*	*
1,125 (1,080) / 50p	*	*
1,125 (1,080) / 24p	*	*

PC (from D-sub 15P)

Applicable input signal for PC is basically compatible to VESA standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 400 @70 Hz	31.47	70.07
640 × 480 @60 Hz	31.47	59.94
640 × 480 @75 Hz	37.50	75.00
800 × 600 @60 Hz	37.88	60.32
800 × 600 @75 Hz	46.88	75.00
800 × 600 @85 Hz	53.67	85.06
852 × 480 @60 Hz	31.44	59.89
1,024 × 768 @60 Hz	48.36	60.00
1,024 × 768 @70 Hz	56.48	70.07
1,024 × 768 @75 Hz	60.02	75.03
1,024 × 768 @85 Hz	68.68	85.00
1,280 × 1,024 @60 Hz	63.98	60.02
1,280 × 768 @60 Hz	47.70	60.00
1,366 × 768 @60 Hz	48.39	60.04
Macintosh13" (640 × 480)	35.00	66.67
Macintosh16" (832 × 624)	49.73	74.55
Macintosh21" (1,152 × 870)	68.68	75.06

PC (from HDMI terminal)

Applicable input signal for PC is basically compatible to HDMI standard timing.

Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 × 480 @60 Hz	31.47	60.00
750 (720) / 60p	45.00	60.00
1,125 (1,080) / 60p	67.50	60.00

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.
- PC signal is magnified or compressed for display, so that it may not be possible to show fine detail with sufficient clarity.

4. Specifications

TV		TC-P42GT30A		TC-P50GT30A		
Fuente de Alimentación		AC 220 V, 50 / 60 Hz				
Potencia	Potencia Nominal	305 W		430 W		
	Condición de Espera	0.4 W		0.4 W		
Display panel	Relación de Aspecto	16:9				
	Tamaño de la pantalla visible	106 cm (diagonal) 921 mm (W) × 518 mm (H)		127 cm (diagonal) 1105 mm (W) × 622 mm (H)		
	Número de píxeles	2.073.600 (1,920 (W) × 1080 (H)) [5760 × 1080 puntos]				
Sonido	Parlantes	(140 mm × 35 mm) × 2, 6 Ω				
	Salida de Audio	20 W (10 W + 10 W)				
	Audífonos	1 Mini-conector estéreo M3 (3.5 mm)				
Señales de la PC		VGA, SVGA, WVGA, XGA SXGA, WXGA (comprimido) Frecuencia de barrido horizontal 31 - 69 kHz Frecuencia de barrido vertical 59 - 86 Hz				
Sistemas de Recepción / Nombre de la Banda		Digital TV: Recepción de radiodifusión de TV aire libre 6 MHz VHF / UHF p/ Argentina				
		1. PAL-M 2. PAL-N 3. NTSC	Recepción de transmisión y reproducción en Videocasetera o DVD			
Canales de recepción (TV Analógica)		BANDA VHF 2-13	BANDA UHF 14-69	CATV (TV POR CABLE) 1-125		
Antena Aérea - Trasera		VHF / UHF				
Condiciones Operativas		Temperatura : 0 °C - 40 °C Humedad : 20 % - 80 % Humedad Relativa (no condensativa)				
Terminales de Conexión	Entrada AV1	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		COMPONENTE	Y P _B /C _B , P _R /C _R		1.0 V[p-p] incluyendo sincronización ±0.35 V[p-p]	
	Entrada AV2	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		VIDEO	Tipo Pine RCA × 1		1.0 V[p-p] (75 Ω)	
	Entrada AV3	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms]	
		VIDEO	Tipo Pine RCA × 1		1.0 V[p-p] (75 Ω)	
	Salida Audio	AUDIO L - R	Tipo Pine RCA × 2		0.5 V[rms] (alta impedancia)	
	Otros	Entrada HDMI 1-4	Conectores Tipo A		* Esta TV soporta la función "HDAVI Control 5"	
		Entrada PC	D-SUB de 15 Pines de alta densidad		R / G / B: 0.7 V[p-p] (75 Ω) HD / VD: Nivel TTL 2.0 - 5.0 V[p-p] (alta impedancia)	
		DIGITAL AUDIO OUT	PCM / Dolby Digital / DTS, Fibra óptica			
		Ranura para Tarjeta	Ranura para Tarjeta × 1			
		USB 1/2/3	Conectores USB 2.0 Tipo A		DC 5 V, Max. 500 mA	
ETHERNET		10BASE-T / 100BASE-TX				
Dimensiones (A × A × P)		993 mm × 649 mm × 320 mm (Con pedestal) 993 mm × 615 mm × 58 mm (solamente la TV)		1177 mm × 753 mm × 335 mm (Con pedestal) 1177 mm × 718 mm × 58 mm (solamente la TV)		
Peso		23,0 kg Neto (con Pedestal) 19,5 kg Neto(solamente la TV)		29,5 kg Neto (con Pedestal) 25,5 kg Neto (solamente la TV)		

Anteojos 3D

Tipo de Lente		Obturador de Cristal Líquido	
Rango de temperatura de uso		0 °C - 40 °C	
Carga de la fuente de alimentación		5V CC (suministrada por el terminal USB de una TV Panasonic)	
Batería		Batería recargable de polímero de iones de litio 3,7V CC, 70 mAh Tiempo de operación *1 Aproximadamente 30 horas Tiempo de carga *1 Aproximadamente 2 horas	
Alcance de visualización *2		Transmisor para Anteojos 3D Dentro de 3,2 m a partir de la superficie frontal (Dentro de ±35° horizontal, ±20° vertical)	
Materiales		Cuerpo principal: Resina Sección de la lente: Vidrio de cristal líquido	
Dimensiones (no incluyendo la parte de soporte para la nariz)	Ancho	170,1 mm	
	Altura	41,2 mm	
	Largo general	169,8 mm	
	Peso	Aproximadamente 39g neto	

5 Technical Descriptions

5.1. Specification of KEY for CI Plus, DTCP-IP, WIDEVINE and One-to-One

5.1.1. General information:

1. EEPROM (IC8902) for spare parts has the seed of KEY for each.
2. The final KEY data will be generated by Peaks IC (IC8000) when SELF CHECK was done and are stored in both Peaks IC (IC8000) and EEPROM (IC8902).

Three KEY are not generated for all models.

The necessary KEY are only generated and stored depend on the feature of models.

5.1.2. Replacement of ICs:

When Peaks IC (IC8000) is replaced, EEPROM (IC8902) should be also replaced with new one the same time.

When EEPROM (IC8902) is replaced, Peaks IC (IC8000) is not necessary to be replaced the same time.

After the replacement of IC, SELF CHECK should be done to generate the final KEY data.

How to SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

TV will be forced to the factory shipment setting after this SELF CHECK.

5.1.3. Model and Keys:

Model No.	Keys	
	One-to-one	WIDEVINE
TH-P50GT30A/Z	○	○

5.2. USB HDD Recording

5.2.1. General information:

Digital TV programmes can be recorded in USB HDD.

A One-to-One key generated in A-board by SELF CHECK binds TV and USB-HDD for communication.

That key is only one key for them. If the key is difference, TV can not access USB-HDD.

Caution:

New key will be generated by following SELF CHECK and previous TV programmes recorded in USB HDD will not be viewed.

SELF CHECK: While pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

6 Service Mode

6.1. How to enter into Service Mode

6.1.1. Purpose

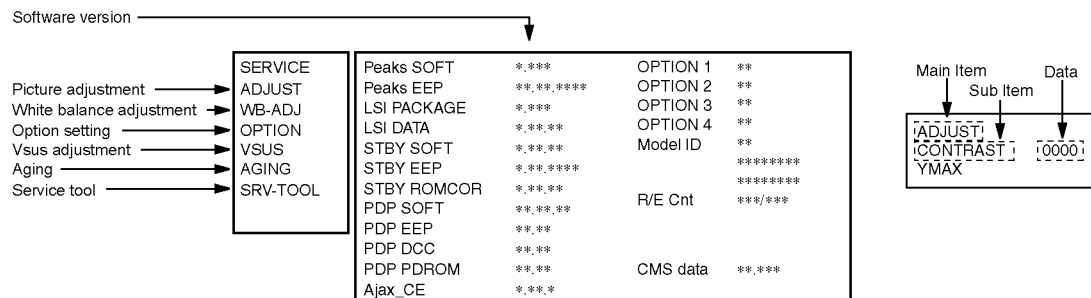
After exchange parts, check and adjust the contents of adjustment mode.

While pressing [VOLUME (-)] button of the main unit, press [i] button of the remote control three times within 2 seconds.

Note:

Service Mode can not be entered when 3D signal input.

Input 2D signal to enter Service Mode.



6.1.2. Key command

- [1] button...Main items Selection in forward direction
- [2] button...Main items Selection in reverse direction
- [3] button...Sub items Selection in forward direction
- [4] button...Sub items Selection in reverse direction
- [RED] button...All Sub items Selection in reverse direction
- [GREEN] button...All Sub items Selection in forward direction
- [VOL] button...Value of sub items change in forward direction (+), in reverse direction (-)

6.1.3. How to exit

Switch off the power with the [POWER] button on the main unit or the [POWER] button on the remote control.

6.1.4. Contents of adjustment mode

- Value is shown as a hexadecimal number.
- Preset value differs depending on models.
- After entering the adjustment mode, take note of the value in each item before starting adjustment.

Main item	Sub item	Sample Data	Remark
ADJUST	CONTRAST	000	
	COLOR	36	
	TINT	00	
	SUB-BRT	800	
	H-POS	0	
	H-AMP	0	
	V-POS	0	
	V-AMP	0	
WB-ADJ	R-CUT	80	
	G-CUT	80	
	B-CUT	80	
	R-DRV	FF	
	G-DRV	E4	
	B-DRV	90	
	ALL-CUT	80	
	ALL-DRV	FF	
OPTION	Panel-Type	50FHD	Factory Preset
	Boot	ROM	
	STBY-SET	00	
	EMERGENCY	ON	
	Y/C Delay		
	OPT 1	10110000	
	OPT 2	00100010	
	OPT 3	00000001	
	OPT 4	00010000	
	EDID-CLK	MID	
	MIRROR	00 (See Option-Mirror)	
	AMR-SELECT	OFF	
VSUS		LOW	See Vsus selection
AGING	ALL WHITE		Built-in test patterns can be displayed.
	ALL BLUE WITH WHITE OUTSIDE FRAME		
	ALL GREEN		
	ALL RED		
	LOW STEP WHITE		
	LOW STEP BLUE		
	LOW STEP GREEN		
	LOW STEP RED		
	WHITE DIAGONAL STRIPE		
	RED DIAGONAL STRIPE		
	GREEN DIAGONAL STRIPE		
	BLUE DIAGONAL STRIPE		
	A-ZONE & B-ZONE		
	1% WINDOW		
	COLOR BAR		
	9 POINTS BRIGHT MEASURE		
	2 DOT OUTSIDE FRAME		
	ALL BLUE		
	DOUBLE FIXED 1% WINDOW		
	VERTICAL LINE SCROLL		
	ON/OFF OR WHITE		
	R/G/B/W ROTATION		
	HALF FIXED ALL WHITE		
	ALL WHITE WITH COUNT DISPLAY		
SRV-TOOL		00	See Service tool mode

6.2. Option - Mirror

Picture can be reversed left and right or up and down.

00 : Default (Normal picture is displayed)

01 : Picture is reversed left and right.

02 : Picture is reversed up and down.

00



01



02



Hint : If the defective symptom (e.g. Vertical bar or Horizontal bar) is moved by selection of this mirror, the possible cause is in A-board.

6.3. Service tool mode

6.3.1. How to access

1. Select [SRV-TOOL] in Service Mode.
2. Press [OK] button on the remote control.

	SRV-TOOL	
Display of TD2Microcode version →	TD2Microcode:0200b105	
Display of Flash ROM maker code →	Flash ROM : AD - DA	
Display of SOS History →	PTCT : 00 . 00 . 00 . 00 . 00 .	Time 00000:40 Count 0000022

POWER ON TIME/COUNT
Press [MUTE] button (3 sec)

6.3.2. Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2nd occurrence after shipment, 1st occurrence after shipment.
This indication will be cleared by [Self-check indication and forced to factory shipment setting].

6.3.3. POWER ON Time, Count

Note : To display TIME/COUNT menu, highlight position, then press MUTE for 3 sec.

Time : Cumulative power on time, indicated hour : minute by decimal

Count : Number of ON times by decimal

Note : This indication will not be cleared by either of the self-checks or any other command.

6.3.4. Exit

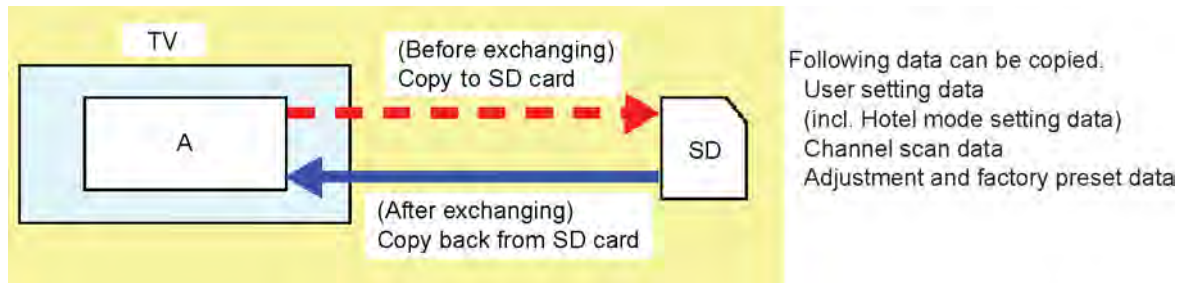
1. Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

6.5. Data Copy by SD Card

6.5.1. Purpose

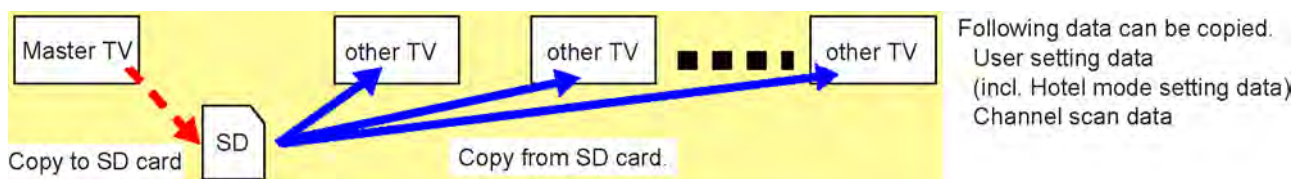
(a) Board replacement (Copy the data when exchanging A-board):

When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



(b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and then copy to other TVs.



6.5.2. Preparation

Make pwd file as startup file for (a) or (b) in a empty SD card.

1. Insert a empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name for (a) or (b) and press ENTER.

File name:

- (a) For Board replacement : boardreplace.pwd
- (b) For Hotel : hotel.pwd

Note:

- Please make only one file to prevent the operation error.
- No any other file should not be in SD card.

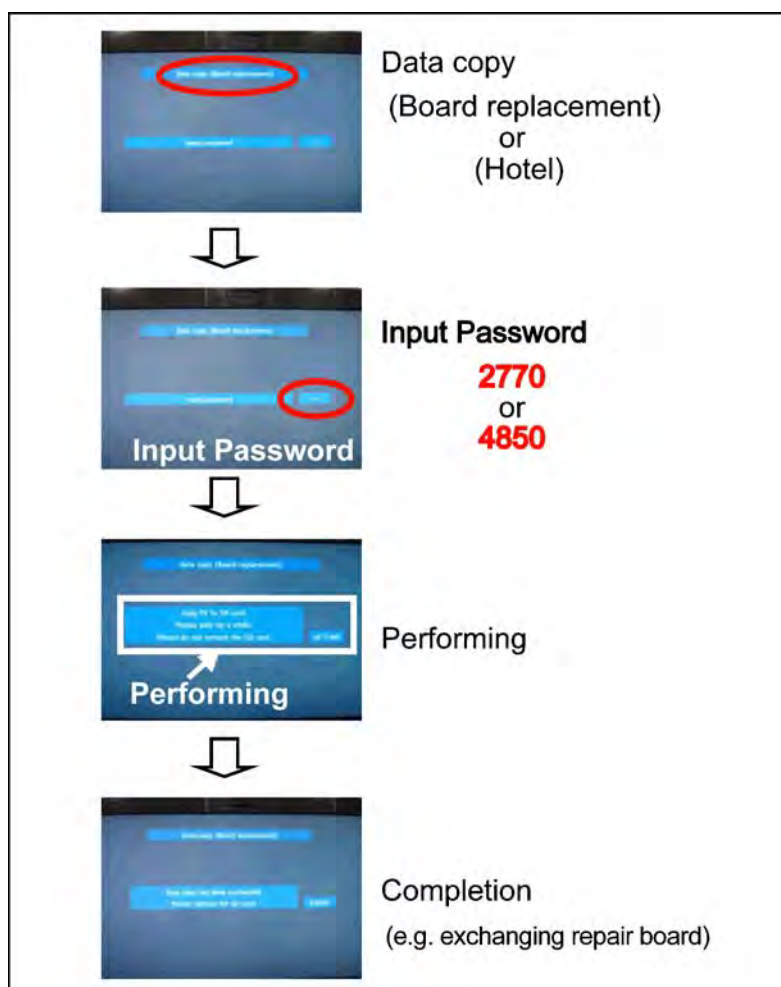
6.5.3. Data copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.
 - (a) For Board replacement : 2770
 - (b) For Hotel : 4850
 Data will be copied from TV set to SD card.
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement : user_setup
- (b) For Hotel : hotel

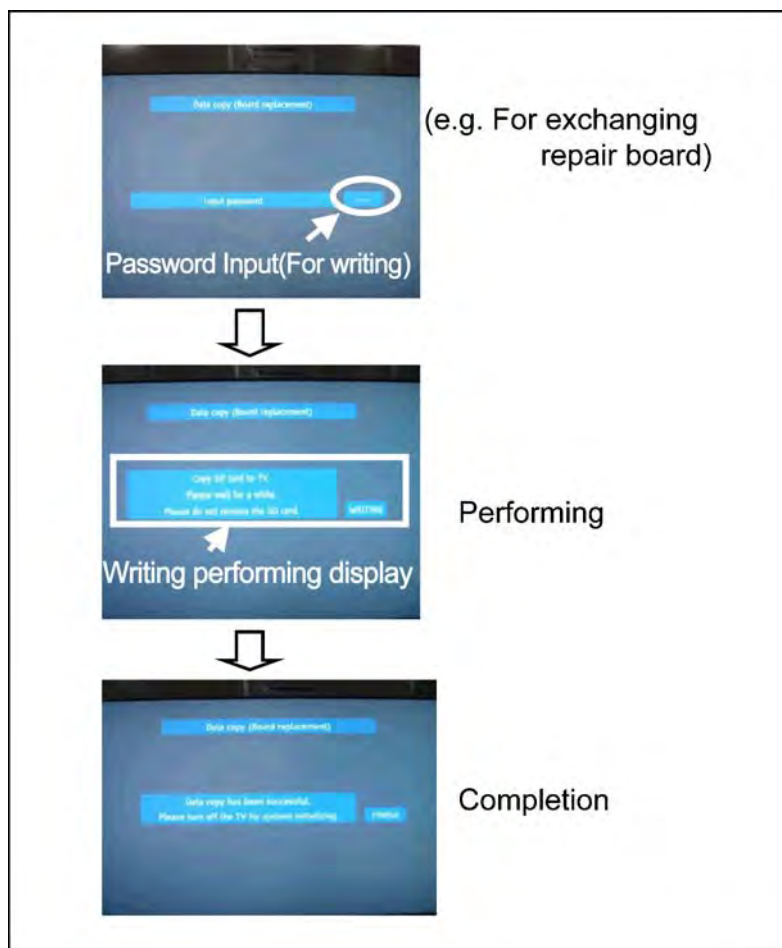


6.5.4. Data copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
 - (a) For Board replacement : 2771
 - (b) For Hotel : 4851
 Data will be copied from SD card to TV set.
4. After the completion of copying to SD card, remove SD card from TV set.
 - (a) For Board replacement : Data will be deleted after copying (Limited one copy).
 - (b) For Hotel : Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

Note:

1. Depending on the failure of boards, function of Data copy for board replacement does not work.
2. This function can be effective among the same model numbers.



7 Troubleshooting Guide

Use the self-check function to test the unit.

1. Checking the IIC bus lines
2. Power LED Blinking timing

7.1. Check of the IIC bus lines

7.1.1. How to access

7.1.1.1. Self-check indication only:

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [OK] button on the remote control for more than 3 seconds.

7.1.1.2. Self-check indication and forced to factory shipment setting:

Caution:

New key will be generated and previous TV programmes recorded in USB HDD will not be viewed. (See Chap.5)

Produce TV reception screen, and while pressing [VOLUME (-)] button on the main unit, press [MENU] button on the remote control for more than 3 seconds.

7.1.2. Screen display

50FHD SET		Panasonic 2011PDP			
		SELF CHECK COMPLETE			
		SYS SELECT : Australia			
TUN	OK	PEAKS-SOFT	*,***	SUM	*****
STBY	OK	PEAKS-EEP	**,***,***	MODEL ID	**
MEM1	OK	LSI-PACKAGE	*,***		*****
MEM2	OK	LSI-RELEASE	*,**		*****
AVSW	OK	STBY-SOFT	*,***,***		
TEMP	OK	STBY-EEP	*,***,***		
LAN	OK	STBY-ROMCORR	*,***		
ID	OK	PDP-MCU	*,***,***		
ID2	OK	PDP-EEP	*,***		
LP1	OK	PDP-DCC	*,**		
HDMI-SW	OK	PDP-PDROM	*,**		
IRDRV	OK				

7.1.3. Check Point

Confirm the following parts if NG was displayed.

DISPLAY	Check Ref. No.	Description	Check P.C.B.
TUN	TU4801	TUNER	A-BOARD
STBY	IC8000	PEAKS-LDA3 (STM)	A-BOARD
MEM1	IC8902	PEAKS EEPROM	A-BOARD
MEM2	IC8901	STM EEPROM	A-BOARD
AVSW	IC3001	AUDIO/VIDEO SW	A-BOARD
TEMP	IC3753	TEMP SENSOR	A-BOARD
LAN	IC8601	ETHERPHY	A-BOARD
ID			A-BOARD
ID2			A-BOARD
LP1	IC9300	LP1	A-BOARD
HDMI-SW	IC4700	HDMI SW	A-BOARD
IRDRV	IC5901	IR LED DRIVER	A-BOARD

7.1.4. Exit

Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

7.2. Power LED Blinking timing chart

1. Subject

Information of LED Flashing timing chart.

2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking Times	Contents	Check point
1	Panel information SOS LP1 Start SOS	-
3	P+ 3.3V SOS	A-Board
4	Power SOS	P-Board P2-Board
5	P+ 5V SOS	A-Board
6	Driver SOS1 (SC Energy recovery circuit) (A-SC FPC DET)	SC-Board A-SC FPC
7	Driver SOS2 (SU/SD Connector DET) (SU/SD Scan and Logic IC)	SU-Board SD-Board *
8	Driver SOS3 (SS FPC DET) (SS Energy recovery circuit)	SS-Board SS2-Board SS FPC SS2 FPC
9	Discharge Control SOS	A-Board
10	Sub 5V SOS Sub 3.3V SOS Tuner power SOS	A-Board SC-Board SS-Board P-Board P2-Board
11	FAN SOS	A-Board FAN
12	Sound SOS	A-Board Speaker
13	Emergency SOS	A-Board
14	IROM SOS (ROM in Peaks IC)	A-Board P-Board

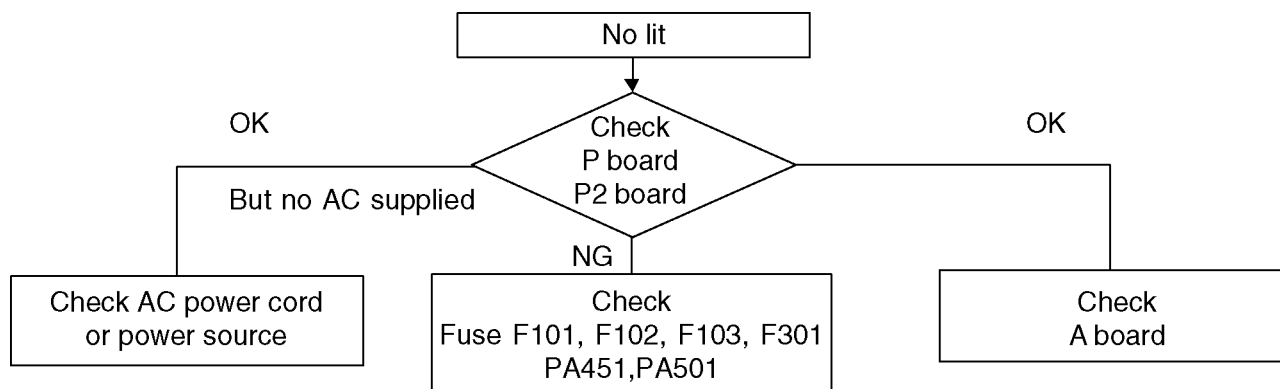
*Use SC jig to isolate the board.

7.3. No Power

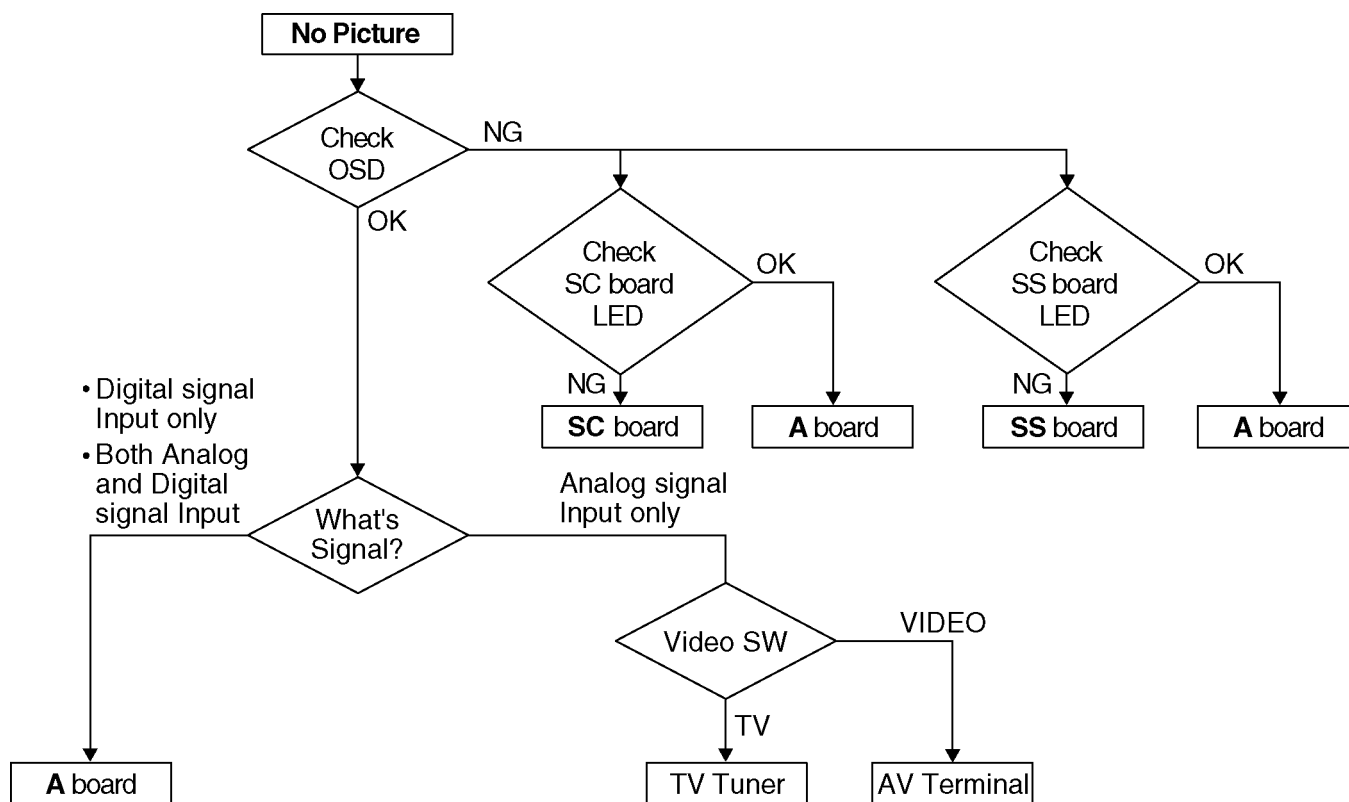
First check point

There are following 3 states of No Power indication by power LED.

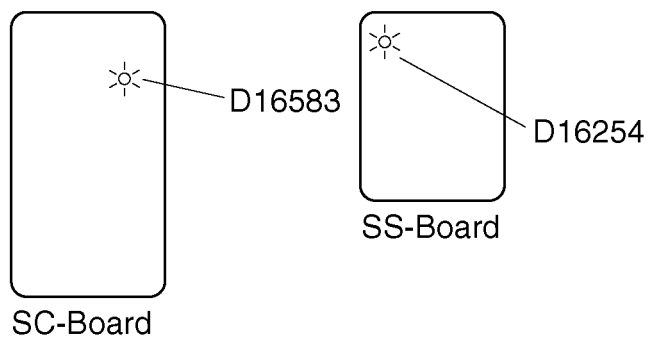
1. No lit.
2. Green is lit then turns red blinking a few seconds later. (See 7.2.)
3. Only red is lit.



7.4. No Picture



Drive circuits LED indicator



7.5. Local screen failure

Plasma display may have local area failure on the screen. Fig-1 is the possible defect P.C.B. for each local area.

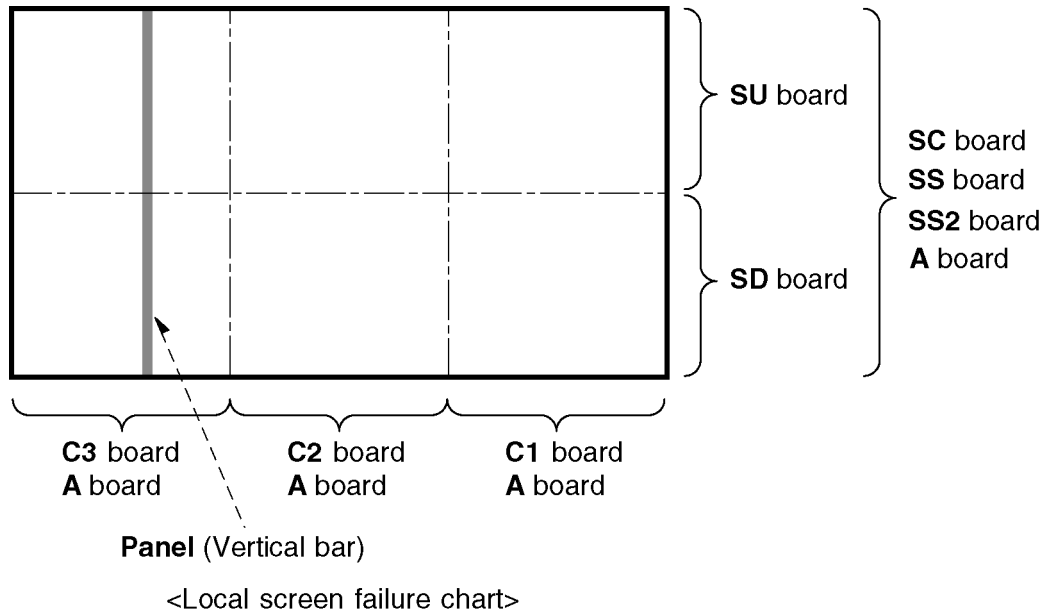


Fig-1

8 Service Fixture & Tools

8.1. SC jig

Purpose:

To find the failure board (SC or SU/SD) when the power LED is blinking 7 times.

SC jig:

Jumper connector to connect to SC50 connector on SC board

Part number:

TZSC09187

How to use:

Caution: Remove SC jig from SC board after inspection.

1. Remove all connector between SC board and SU/SD board to isolate SC board from both SU and SD board electrically.

Note: The board will be damaged if all connector is not removed (for example; remove connector only for SU board and stay connecting with SD board. The board will be damaged.)

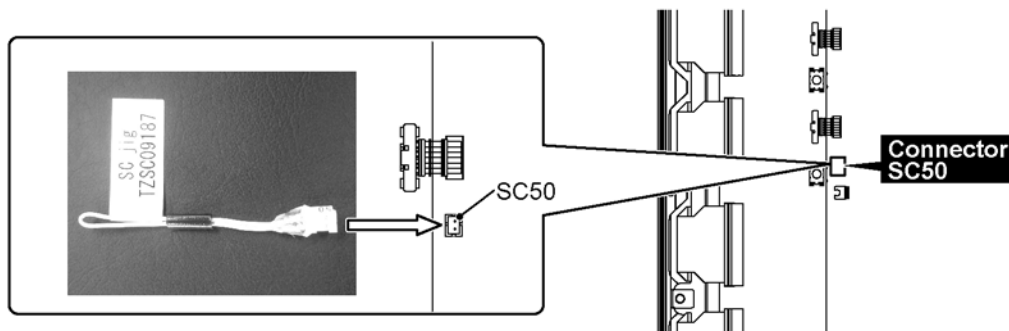
2. Connect SC jig to connector SC50 at left bottom side of SC board
3. Turn on the TV/Display Unit and confirm the power LED blinking.

LED blinking: Possible cause of failure is in SC board

No LED blinking (Lighting or no lighting): Possible cause of failure is in SU or SD board

4. After inspection, turn off the TV/Display Unit and wait a few minutes to discharge.
5. Remove SC jig from SC board.

Remark: This SC jig can be used for all 2011 Plasma TV and Plasma Display.



9 Disassembly and Assembly Instructions

9.1. Remove the Rear cover

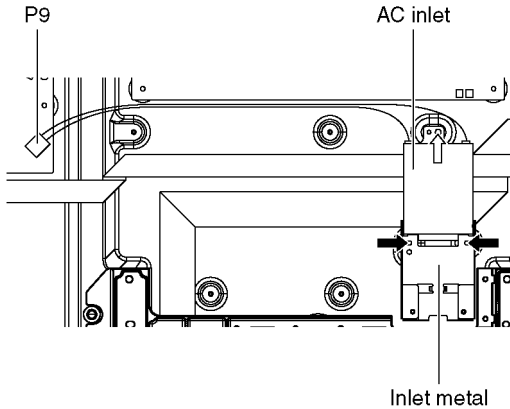
1. See PCB Layout (Section 3)

9.2. Remove the AC inlet

Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable.
2. Disconnect the connector (P9).
3. Remove the screws (×2 ➡) and remove the Inlet metal.
4. Remove the screw (×1 ➡) and remove the AC inlet.

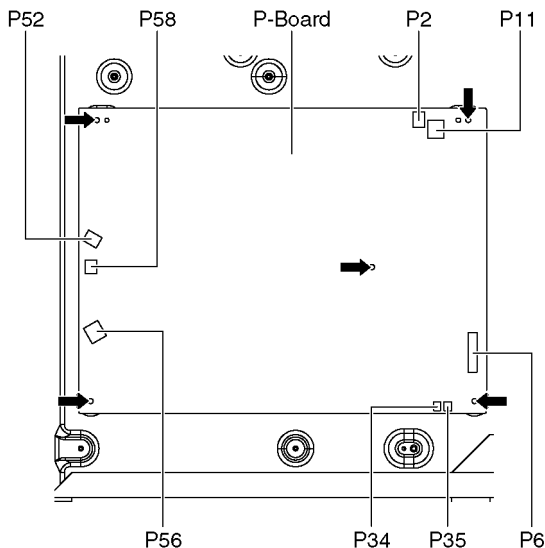


9.3. Remove the P-Board

Caution:

To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable
2. Disconnect the connectors (P52, P56 and P58).
3. Disconnect the connectors (P2, P6, P11, P34 and P35).
4. Remove the screws (×5 ➡) and remove the P-Board.

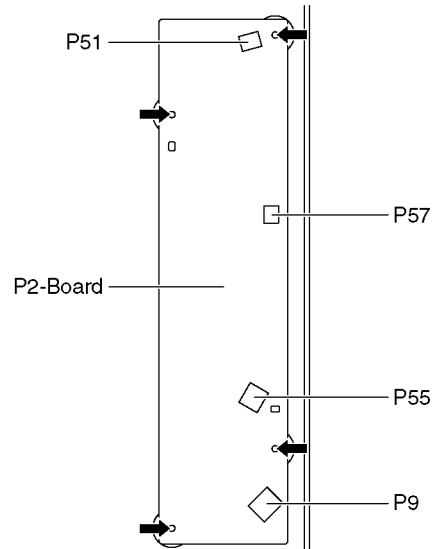


9.4. Remove the P2-Board

Caution:

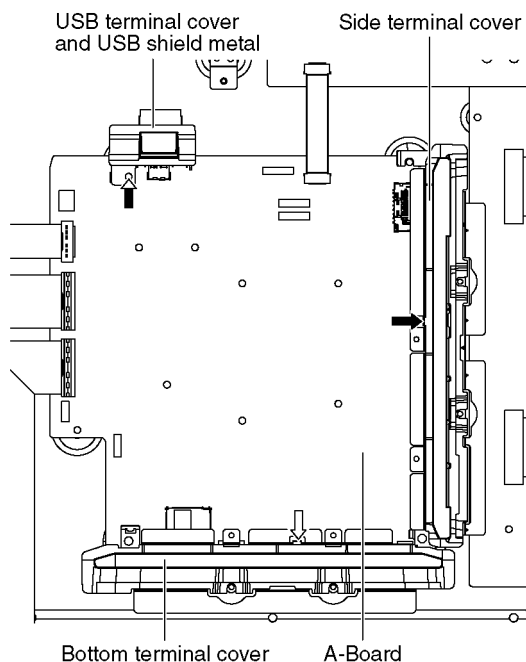
To remove P.C.B. wait 1 minute after power was off for discharge from electrolysis capacitors.

1. Unlock the cable clampers to free the cable.
2. Disconnect the connectors (P51, P55 and P57).
3. Disconnect the connector (P9).
4. Remove the screws (×4 ➡) and remove the P2-Board.

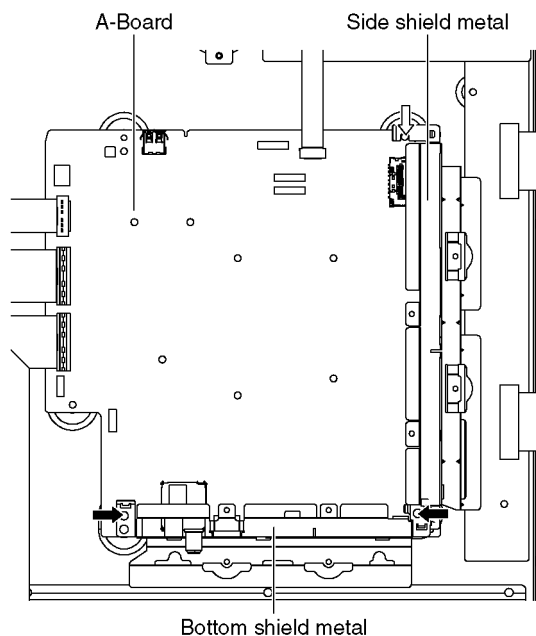


9.5. Remove the Terminal covers and the shield metals

1. Remove the claw (×1 ➡).
2. Remove the Side terminal cover.
3. Remove the claw (×1 ⇨).
4. Remove the Bottom terminal cover.
5. Remove the screw (×1 ➡).
6. Remove the USB terminal cover and USB shield metal.

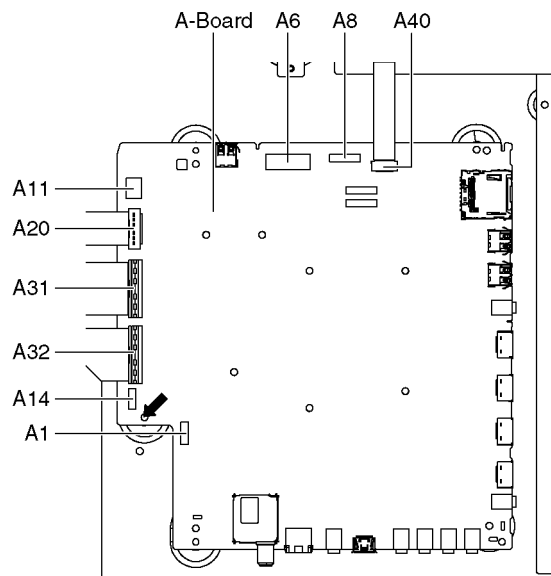


7. Remove the screws (×2 ➡).
8. Remove the Bottom shield metal.
9. Remove the screw (×1 ⇨).
10. Remove the Side shield metal.



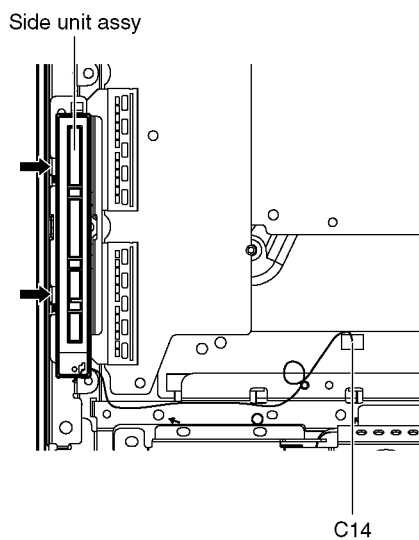
9.6. Remove the A-Board

1. Remove the Terminal covers and the Shield metals. (See section 9.5.)
2. Unlock the cable claspers to free the cable.
3. Disconnect the connectors (A1, A6, A8, A11, and A14).
4. Disconnect the flexible cables (A20, A31, A32 and A40).
5. Remove the screw (×1 ➡) and remove the A-Board.

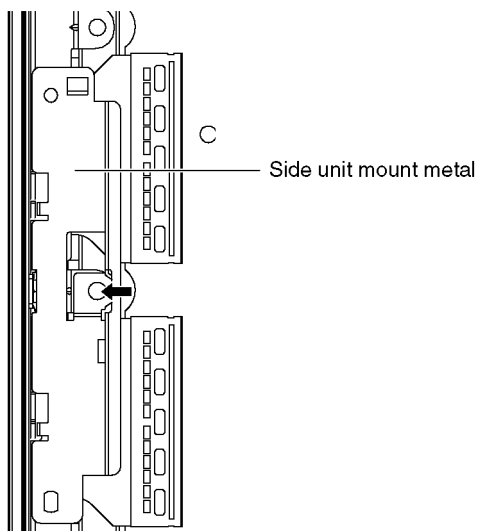


9.7. Remove the Side unit assy

1. Disconnect the connector (C14).
2. Remove the claws (×2 ➡) and remove the Side unit assy.

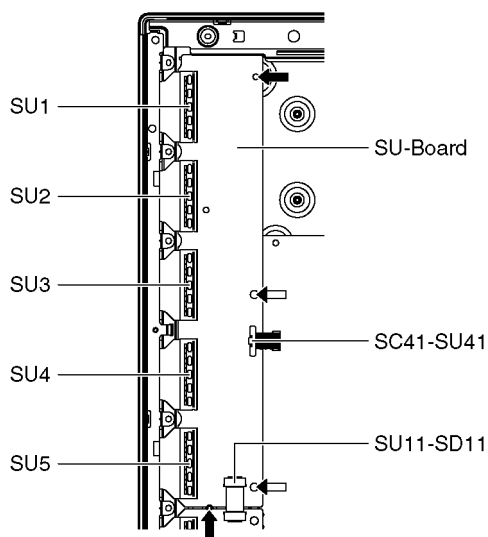


3. Remove the screw (×1 ➡).
4. Remove the Side unit mount metal.



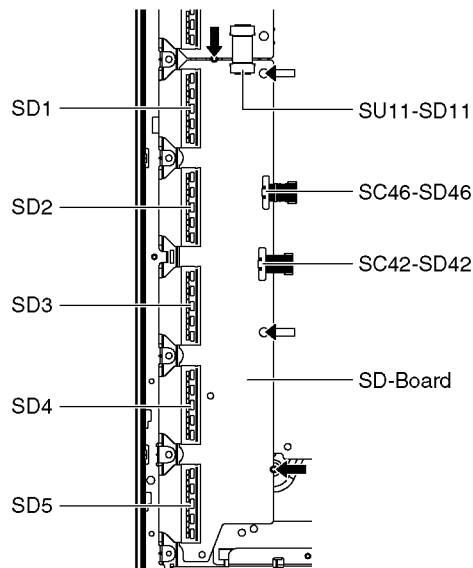
9.8. Remove the SU-Board

1. Disconnect the flexible cables (SU1, SU2, SU3, SU4 and SU5) connected to the SU-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connector (SC41-SU41).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SU-Board.



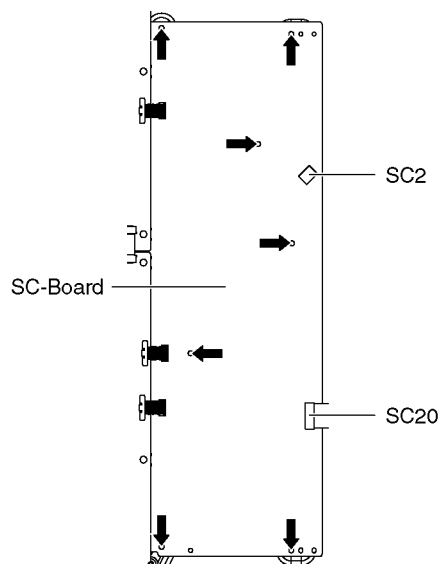
9.9. Remove the SD-Board

1. Disconnect the flexible cables (SD1, SD2, SD3, SD4 and SD5) connected to the SD-Board.
2. Disconnect the flexible cable (SU11-SD11) and the bridge connectors (SC42-SD42 and SC46-SD46).
3. Remove the screws (×2 ➡, ×2 ⇨) and remove the SD-Board.



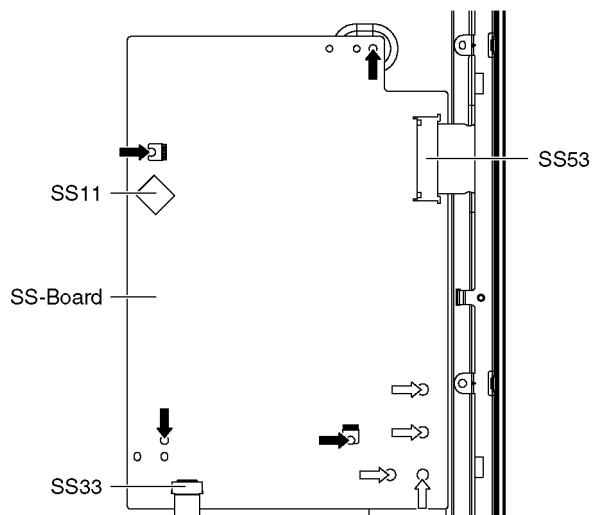
9.10. Remove the SC-Board

1. Remove the SU-Board and SD-Board. (See section 9.8. and 9.9.)
2. Disconnect the connector (SC2).
3. Disconnect the flexible cable (SC20).
4. Remove the screws (×7 ➡) and remove the SC-Board.



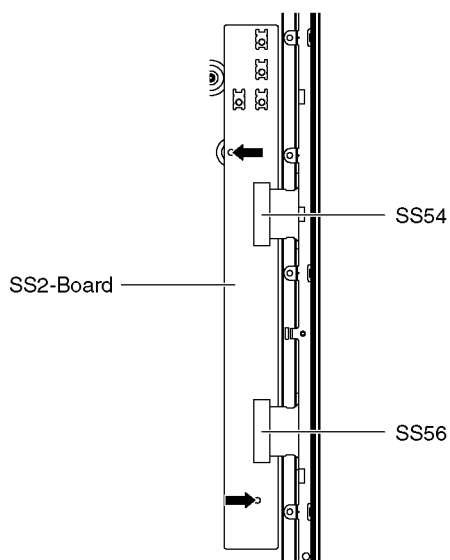
9.11. Remove the SS-Board

1. Disconnect the connector (SS11).
2. Disconnect the flexible cable (SS33).
3. Disconnect the flexible cable (SS53).
4. Remove the screws ($\times 4 \rightarrow$, $\times 4 \rightarrow$) and remove the SS-Board.



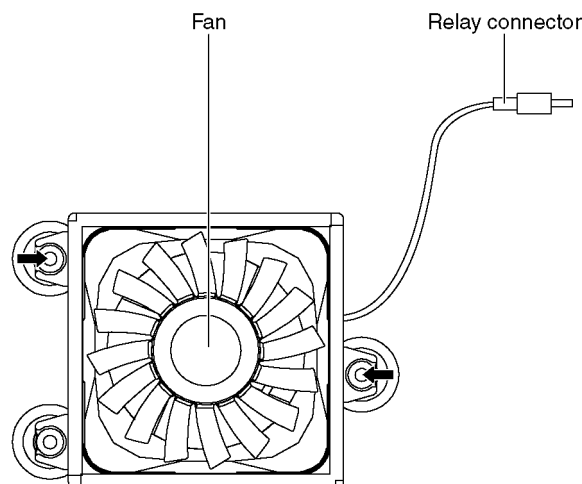
9.12. Remove the SS2-Board

1. Disconnect the Terminal covers and the Shield metals (See section 9.5.).
2. Remove the SS-Board (See section 9.11.).
3. Disconnect the flexible cables (SS54 and SS56).
4. Remove the screws ($\times 2 \rightarrow$) and remove the SS2-Board.



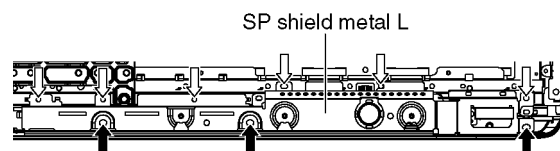
9.13. Remove the Fan

1. Unlock the cable clampers to free the cable.
2. Remove the screws ($\times 2 \rightarrow$).
3. Remove the Relay connector and remove the Fan.

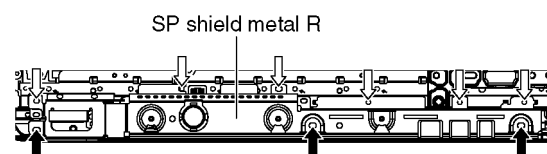


9.14. Remove the Speakers

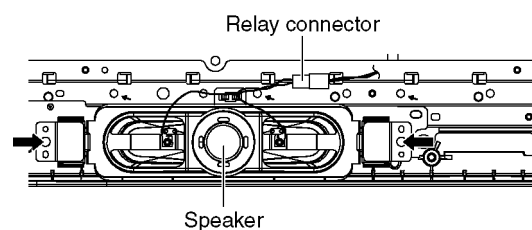
1. Unlock the cable clampers to free the cable.
2. Remove the screws ($\times 3 \rightarrow$, $\times 6 \rightarrow$) and remove the SP shield metal L.



3. Remove the screws ($\times 3 \rightarrow$, $\times 6 \rightarrow$) and remove the SP shield metal R.

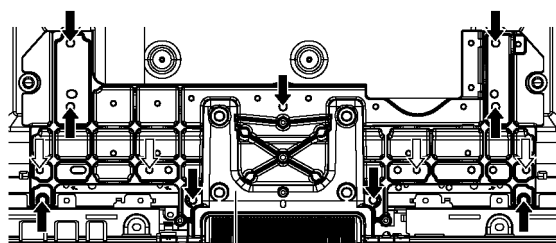


4. Disconnect the Relay connector.
5. Remove the screws ($\times 2 \rightarrow$ each) and remove the Speakers (L, R).



9.15. Remove the Stand bracket

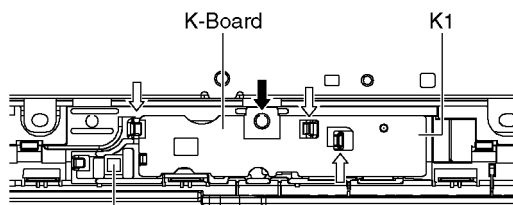
1. Remove the Plasma panel section from the servicing stand and lay on a flat surface such as a table (covered by a soft cloth) with the Plasma panel surface facing downward.
2. Unlock the cable clampers to free cable.
3. Remove the Stand bracket fastening screws (×9 ➡, ×4 ⇨) and the Stand bracket.



Stand bracket

9.16. Remove the K-Board

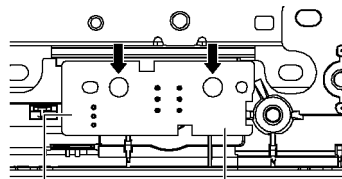
1. Remove the SP shield metal L. (See section 9.14.)
2. Remove the Stand bracket. (See section 9.15.)
3. Remove the screw (×1 ➡).
4. Remove the claws (×3 ⇨).
5. Disconnect the connector (K1) and remove the K-Board from the LED panel.



LED panel

9.17. Remove the S-Board

1. Remove the SP shield metal L. (See section 9.14.)
2. Remove the screws (×2 ➡).
3. Disconnect the connector (S10) and remove the S-Board.

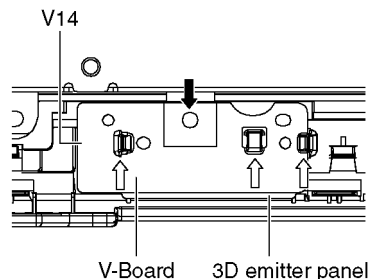


S10

S-Board

9.18. Remove the V-Board

1. Remove the SP shield metal R. (See section 9.14.)
2. Remove the Stand bracket. (See section 9.15.)
3. Remove the screw (×1 ➡) and remove the claws (×3 ⇨).
4. Disconnect the connector (V14) and remove the V-Board from the 3D emitter panel.



V-Board 3D emitter panel

9.19. Remove the Bottom cabinet assy

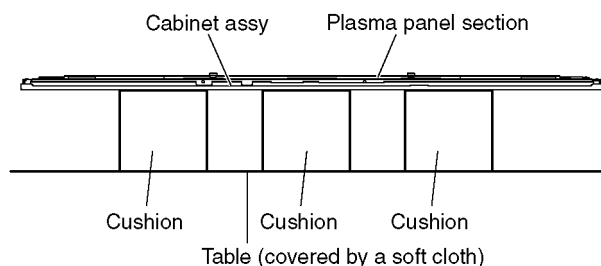
1. Remove the Speakers. (See section 9.14.)
2. Remove the Stand bracket. (See section 9.15.)
3. Remove the K, S and V-Board. (See section 9.16 - 18.)
4. Remove the screws (×2 ➡) and remove the Bottom cabinet assy.



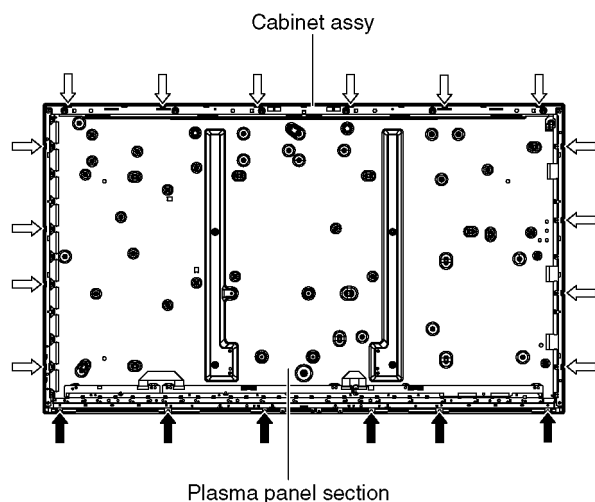
Bottom cabinet assy

9.20. Remove the Plasma panel section from the Cabinet assy

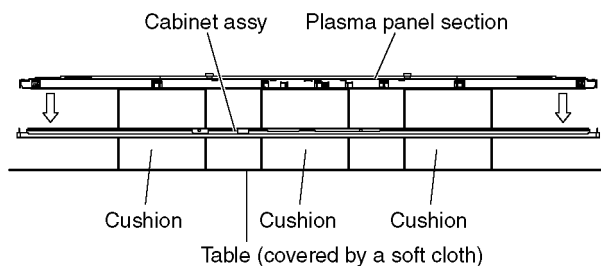
1. Place the Cabinet assy on a flat surface of a table (covered by a soft cloth) and a cushion.



2. Remove the Bottom cabinet assy. (See section 9.19.)
3. Remove the screws (×6 ➡, ×14 ⇨).

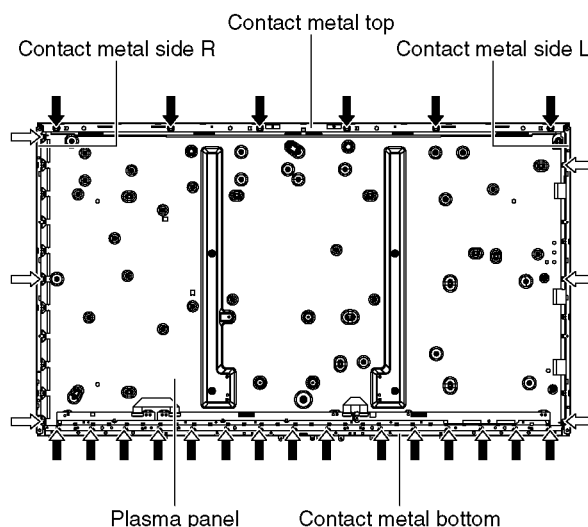


4. Remove the Plasma panel section from the Cabinet assy.



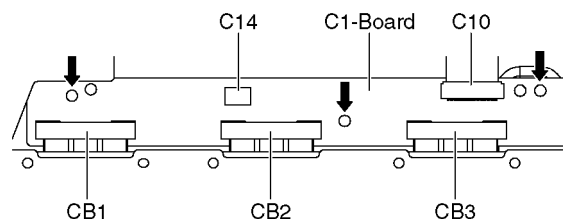
9.21. Remove the Contact metals

1. Remove the Cabinet assy. (See section 9.20.)
2. Remove the Tape from the Contact metals.
3. Remove the screws (×6 ⇨).
4. Remove the Contact metal side (L, R).
5. Remove the screws (×6 ➡).
6. Remove the Contact metal top.
7. Remove the screws (×15 ⇨).
8. Remove the Contact metal bottom.



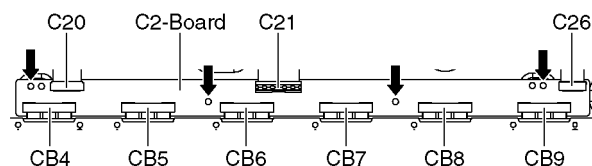
9.22. Remove the C1-Board

1. Remove the Contact metal bottom. (See section 9.21.)
2. Disconnect the flexible cables (CB1, CB2 and CB3).
3. Disconnect the flexible cable (C10).
4. Disconnect the connector (C14).
5. Remove the screws (×3 ➡) and remove the C1-Board.



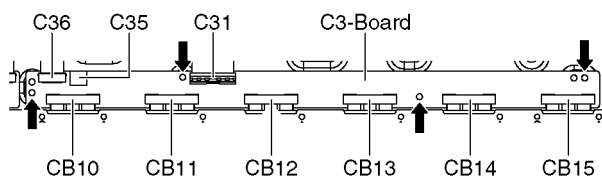
9.23. Remove the C2-Board

1. Remove the Contact metal bottom. (See section 9.21.)
2. Disconnect the flexible cables (CB4, CB5, CB6, CB7, CB8 and CB9).
3. Disconnect the flexible cables (C20, C21 and C26).
4. Remove the screws (×4 ➡) and remove the C2-Board.



9.24. Remove the C3-Board

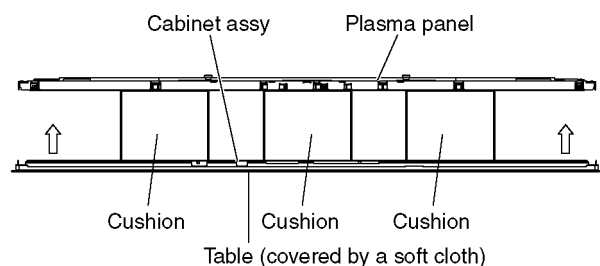
1. Remove the Contact metal bottom. (See section 9.21.)
2. Disconnect the flexible cables (CB10, CB11, CB12, CB13, CB14 and CB15).
3. Disconnect the flexible cables (C31 and C36).
4. Disconnect the connector (C35).
5. Remove the screws (×4 ➡) and remove the C3-Board.



9.25. Replace the Plasma panel

Caution:

Place the Plasma panel on a flat surface of a table (covered by a soft cloth) and a cushion.



A new Plasma panel itself without Contact metals is fragile. To avoid the damage to new Plasma panel, carry a new Plasma panel taking hold of the Contact metals.

1. Place a carton box packed a new Plasma panel on the flat surface of the work bench.
2. Open a box and without taking a new Plasma panel.
3. Attach the Cabinet assy and each P.C.Board and so on, to the new Plasma panel.

10 Measurements and Adjustments

10.1. Adjustment

10.1.1. Vsus selection

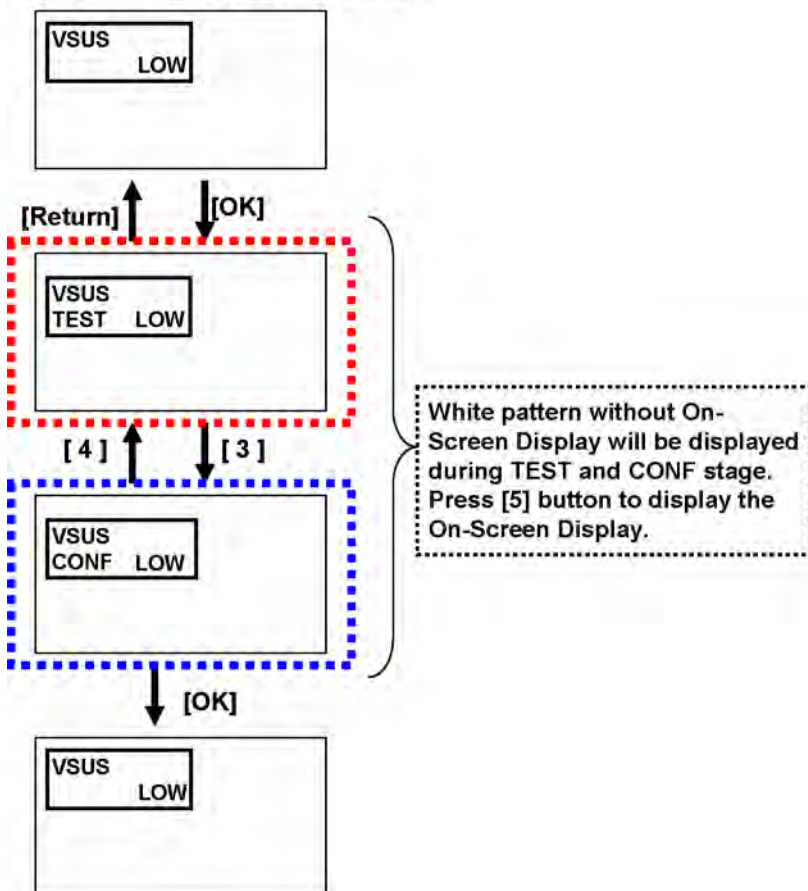
Caution:

When Plasma panel or A-board is replaced, Vsus should be set to LOW.

Procedure

1. Go into main item [VSUS] in Service Mode. LOW will be displayed.
2. Press [OK] button to go to TEST stage.
White pattern without On-Screen Display will be displayed during TEST and CONF stage. Press [5] button to display the On-Screen Display.
3. In LOW setting
If no several dead pixel is visible remarkably in white pattern, press [3] button to go to CONF stage.
4. Press [OK] button in CONF stage to store LOW.
5. Exit Service Mode by pressing [Power] button.

Vsus selection in Service mode



10.1.2. Sub-Contrast adjustment

Name of measuring instrument	Connection	Remarks
RF generator Base Band signal generator HD signal generator		
Steps		Remarks
Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of TV (RF system) Note: In adjustment, you must setting to modulation of signal at 87.5%. 1. Receive a RF PAL 100% Full White or Split Colour bar shown as below. <div data-bbox="344 574 732 770" data-label="Image"> </div> 2. Goes into service mode. 3. Push a [1] or [2] key, and goes into adjustment mode for [CONTRAST].		Note: Sub-contrast adjustment is unadjusted for AV/ HD input. But, when needing the adjustment chosen manually, please refer to [alternative method].
Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.		

Steps	Remarks
<u>Another procedure</u> Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. Adjustment of AV system 1. PAL 100% Full White or Split Colour bar receive AV1(or AV2), shown as below. <div data-bbox="344 1447 732 1642" data-label="Image"> </div> 2. Goes into service mode. 3. Push [1] or [2] key, and goes into adjustment mode for [CONTRAST].	
Adjustment 1. The colour key yellow button of remote control is pushed. 2. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) 3. The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. 4. End.	

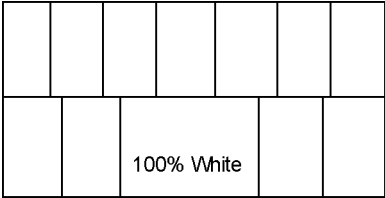
Steps	Remarks
<p>Another procedure</p> <p>Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later.</p> <p>Adjustment of HD system</p> <ol style="list-style-type: none"> At 1080i 100% Full White or Split colour bar receive component signal, as shown below. <div style="text-align: center;">  </div> <ol style="list-style-type: none"> Goes into service mode. Push [1] or [2] key, and goes into adjustment mode for [CONTRAST]. <p>Adjustment</p> <ol style="list-style-type: none"> The colour key yellow button of remote control is pushed. The OSD character of sub-contrast becomes red. (Inside under automatic adjustment) The OSD character of sub-contrast returns to black. When [NG] is displayed, adjustment failure. End. 	

Table1, Sub-contrast Adjustmnet initial data in Peaks EEPROM

06E0	Y Gain Standard for NTSC-G:RF (L)	Setting data
06E1	Y Gain Standard for NTSC-G:RF (H)	
06E2	Y Gain Standard for PAL-G:RF (L)	
06E3	Y Gain Standard for PAL-G:RF (H)	
06E4	Y Gain Standard for NTSC-G:ELSE (L)	
06E5	Y Gain Standard for NTSC-G:ELSE (H)	
06E6	Y Gain Standard for PAL-G:ELSE (L)	
06E7	Y Gain Standard for PAL-G:ELSE (H)	
06E8	Y Gain Standard for YUV (L)	
06E9	Y Gain Standard for YUV (H)	

10.1.3. THX white balance adjustment

The adjusting method is different according to the PEAKS EEPROM version.

[copy adjustment] : Peaks EEPROM ver.1.00-

[Differential (Normal) + copy + WARM adjustment] : Peaks EEPROM ver.1.-**

Name of measuring instrument	Connection	Remarks
W/ B pattern Color analyzer (Minolta CA-100 or equivalent)	Panel surface	
Steps		Remarks
[copy adjustment] Connect IIC cable (bus controller-cable) after banner OSD appear. And after SRQ-L, begin an adjustment 2 seconds later. <ul style="list-style-type: none"> • Make sure the front panel to be used on the final set is fitted. • Make sure a color signal is not being shown before adjustment. • Put the color analyzer where there is little color variation. Note: Copy Adjustment method in service mode. When you push [OK] key in each item, Adjustment data is copied between HD data and SD data.		Picture menu : Dynamic ASPECT : 16:9 Condition is same at alternative method too.

Steps	Remarks
<p>1. Enter the Service mode. Please receive the Analog-RF. Or, please select CVBS/YUV/HDMI. (No inputting is possible.). (Forbid Analog-RF with no signal.)</p> <p>2. A number key [1] or [2] are operated and [WB-ADJ] is displayed. Check that the color temp is [COOL].</p> <p>3. A number key [0] is operated and select [METHOD 01].</p> <p>4. A number key [5] is operated and [INNER PATTERN] is displayed.</p> <div data-bbox="413 363 874 636" data-label="Image"> </div> <p>[INNER PATTERN]</p> <p>5. Select [G-CUTOFF] item, using the number-key [3] or [4], and set to [80], using the volume-key [+] or [-]. Also, [B-CUTOFF] and [R-CUTOFF] set to [80].</p> <p>6. Set [G-DRIVE] at [D0].</p> <p>7. Touch the signal receiver of color analyzer to the INNER PATTERN center, and adjust B drive and R drive so x, y become the [COLOR TEMP COOL] in the below table1.</p> <p>8. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</p> <p>9. Set color balance to [NORMAL] using [7] key.</p> <p>10. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80].</p> <p>11. Set [G-DRIVE] at [D0].</p> <p>12. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP NORMAL] in the table 1.</p> <p>13. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</p> <p>14. Set color balance to [WARM] using [7] key.</p> <p>15. Set Picture menu to [CINEMA] using [9] key.</p> <p>16. A number key [5] is operated and [INNER PATTERN] is displayed.</p> <div data-bbox="413 1166 874 1455" data-label="Image"> </div> <p>[INNER PATTERN]</p> <p>17. Fix G-CUTOFF, B-CUTOFF and R-CUTOFF at [80].</p> <p>18. Set [G-DRIVE] at [D0].</p> <p>19. Adjust B-DRIVE and R-DRIVE so the INNER PATTERN x, y become the [COLOR TEMP WARM] in the table 1.</p> <p>20. All RGB drive increase so that the maximum drive value of RGB may become [FF]. ([ALL-DRIVE] set to [FF].)</p> <p>21. Confirm [METHOD=01].</p> <p>Please refer table2-3 to address.</p> <p>22. Asking matter to execute white balance difference adjustment. Please feed back the DAC value in the adjusted each color temperature in an internal pattern.</p>	<p>METHOD=01 copy adjustments</p>

Table 1-1, Color temp. target value (This data is target data by CA-100 PAVCTH.)

COLOR TEMP	x	y
COOL	0.268	0.267
NORMAL	0.290	0.292
WARM	0.316	0.324

Table 1-2, Color temp. target value (This data is target data by CS-2000 PAVCTH.)

COLOR TEMP	x	y
COOL	0.267	0.269
NORMAL	0.288	0.296
WARM	0.313	0.329

Table 2, Peaks EEP addresses (adjustment data)

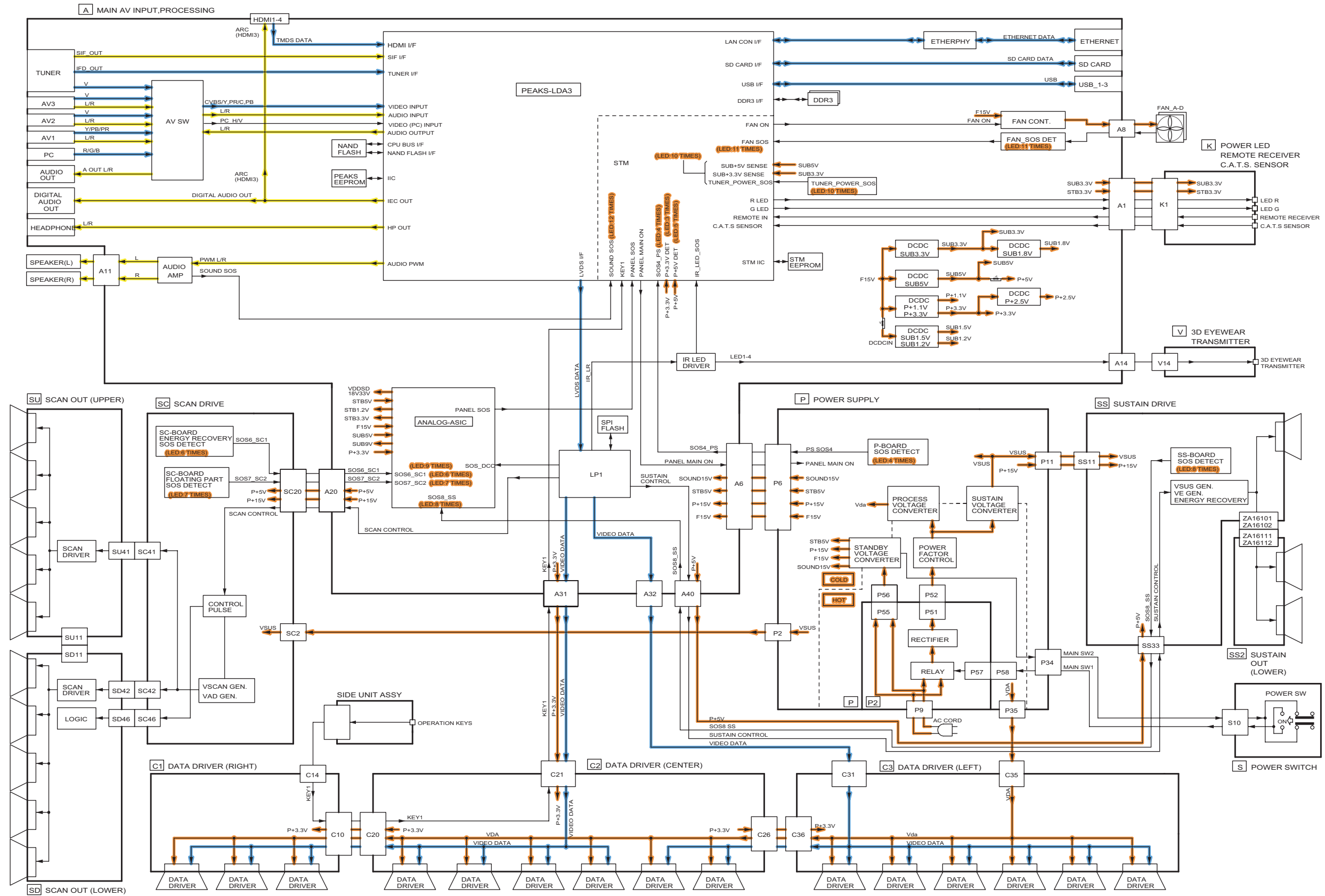
signal / temp	Meaning of value	address
SD High	R-Cutoff for SD High	A0-070c
	G-Cutoff for SD High	A0-070d
	B-Cutoff for SD High	A0-070e
	R-Drive for SD High	A0-070f
	G-Drive for SD High	A0-0710
	B-Drive for SD High	A0-0711
SD Middle	R-Cutoff for SD Middle	A0-0712
	G-Cutoff for SD Middle	A0-0713
	B-Cutoff for SD Middle	A0-0714
	R-Drive for SD Middle	A0-0715
	G-Drive for SD Middle	A0-0716
	B-Drive for SD Middle	A0-0717
SD Low	R-Cutoff for SD Low	A0-0718
	G-Cutoff for SD Low	A0-0719
	B-Cutoff for SD Low	A0-071a
	R-Drive for SD Low	A0-071b
	G-Drive for SD Low	A0-071c
	B-Drive for SD Low	A0-071d
HD High	R-Cutoff for HD High	A0-071e
	G-Cutoff for HD High	A0-071f
	B-Cutoff for HD High	A0-0720
	R-Drive for HD High	A0-0721
	G-Drive for HD High	A0-0722
	B-Drive for HD High	A0-0723
HD Middle	R-Cutoff for HD Middle	A0-0724
	G-Cutoff for HD Middle	A0-0725
	B-Cutoff for HD Middle	A0-0726
	R-Drive for HD Middle	A0-0727
	G-Drive for HD Middle	A0-0728
	B-Drive for HD Middle	A0-0729
HD Low	R-Cutoff for HD Low	A0-072a
	G-Cutoff for HD Low	A0-072b
	B-Cutoff for HD Low	A0-072c
	R-Drive for HD Low	A0-072d
	G-Drive for HD Low	A0-072e
	B-Drive for HD Low	A0-072f

Table 3, Peaks EEP addresses (DIFF setting)

signal / temp	Meaning of value	address
SD High	R-Cutoff difference for SD High	A0-0730
	G-Cutoff difference for SD High	A0-0731
	B-Cutoff difference for SD High	A0-0732
	R-Drive difference for SD High	A0-0733
	G-Drive difference for SD High	A0-0734
	B-Drive difference for SD High	A0-0735
SD Middle	R-Cutoff difference for SD Middle	A0-0736
	G-Cutoff difference for SD Middle	A0-0737
	B-Cutoff difference for SD Middle	A0-0738
	R-Drive difference for SD Middle	A0-0739
	G-Drive difference for SD Middle	A0-073a
	B-Drive difference for SD Middle	A0-073b
SD Low	R-Cutoff difference for SD Low	A0-073c
	G-Cutoff difference for SD Low	A0-073d
	B-Cutoff difference for SD Low	A0-073e
	R-Drive difference for SD Low	A0-073f
	G-Drive difference for SD Low	A0-0740
	B-Drive difference for SD Low	A0-0741
HD High	R-Cutoff difference for HD High	A0-0742
	G-Cutoff difference for HD High	A0-0743
	B-Cutoff difference for HD High	A0-0744
	R-Drive difference for HD High	A0-0745
	G-Drive difference for HD High	A0-0746
	B-Drive difference for HD High	A0-0747
HD Middle	R-Cutoff difference for HD Middle	A0-0748
	G-Cutoff difference for HD Middle	A0-0749
	B-Cutoff difference for HD Middle	A0-074a
	R-Drive difference for HD Middle	A0-074b
	G-Drive difference for HD Middle	A0-074c
	B-Drive difference for HD Middle	A0-074d
HD Low	R-Cutoff difference for HD Low	A0-074e
	G-Cutoff difference for HD Low	A0-074f
	B-Cutoff difference for HD Low	A0-0750
	R-Drive difference for HD Low	A0-0751
	G-Drive difference for HD Low	A0-0752
	B-Drive difference for HD Low	A0-0753

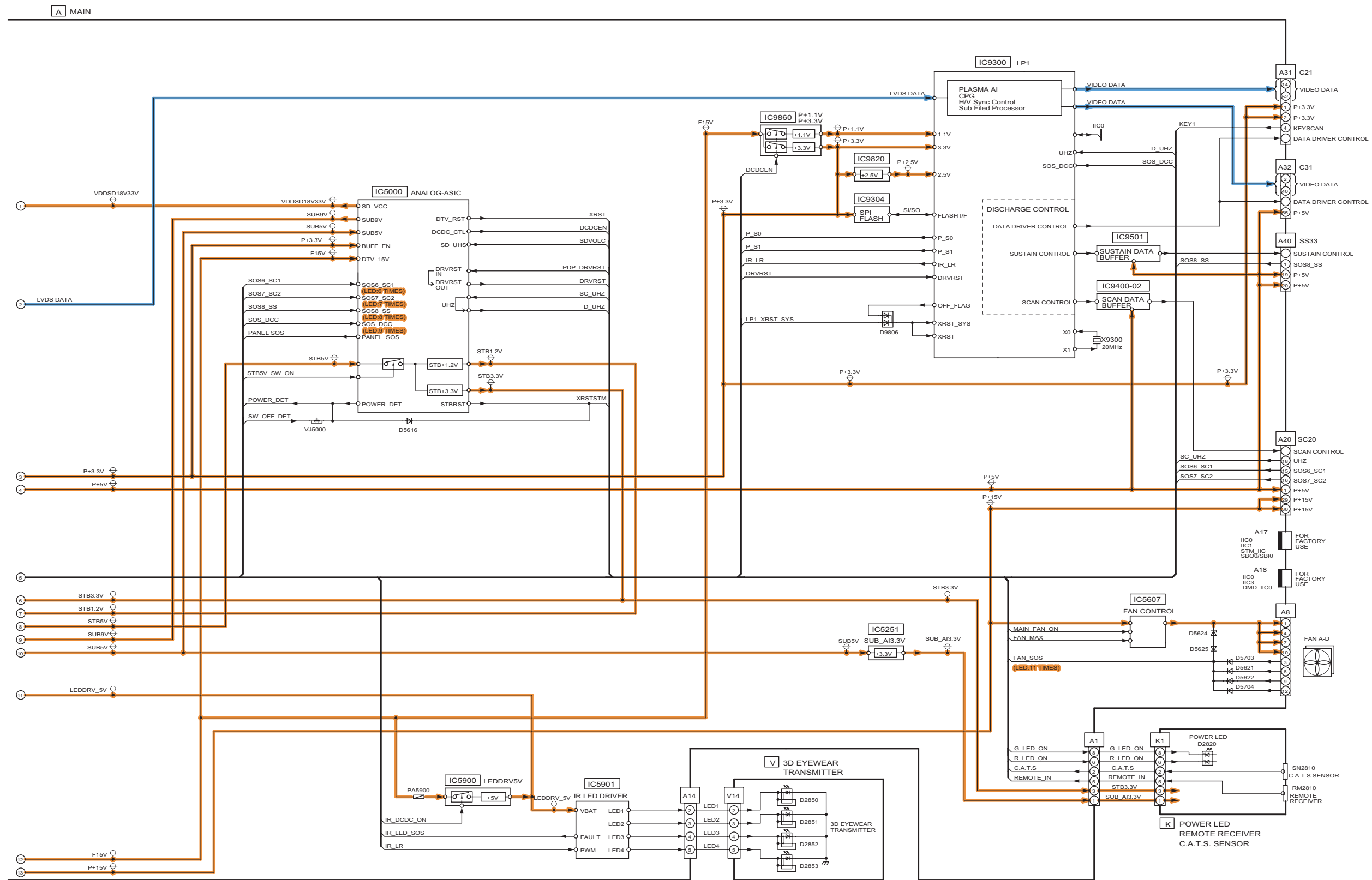
11 Block Diagram

11.1. Main Block Diagram





11.3. Block (2/4) Diagram







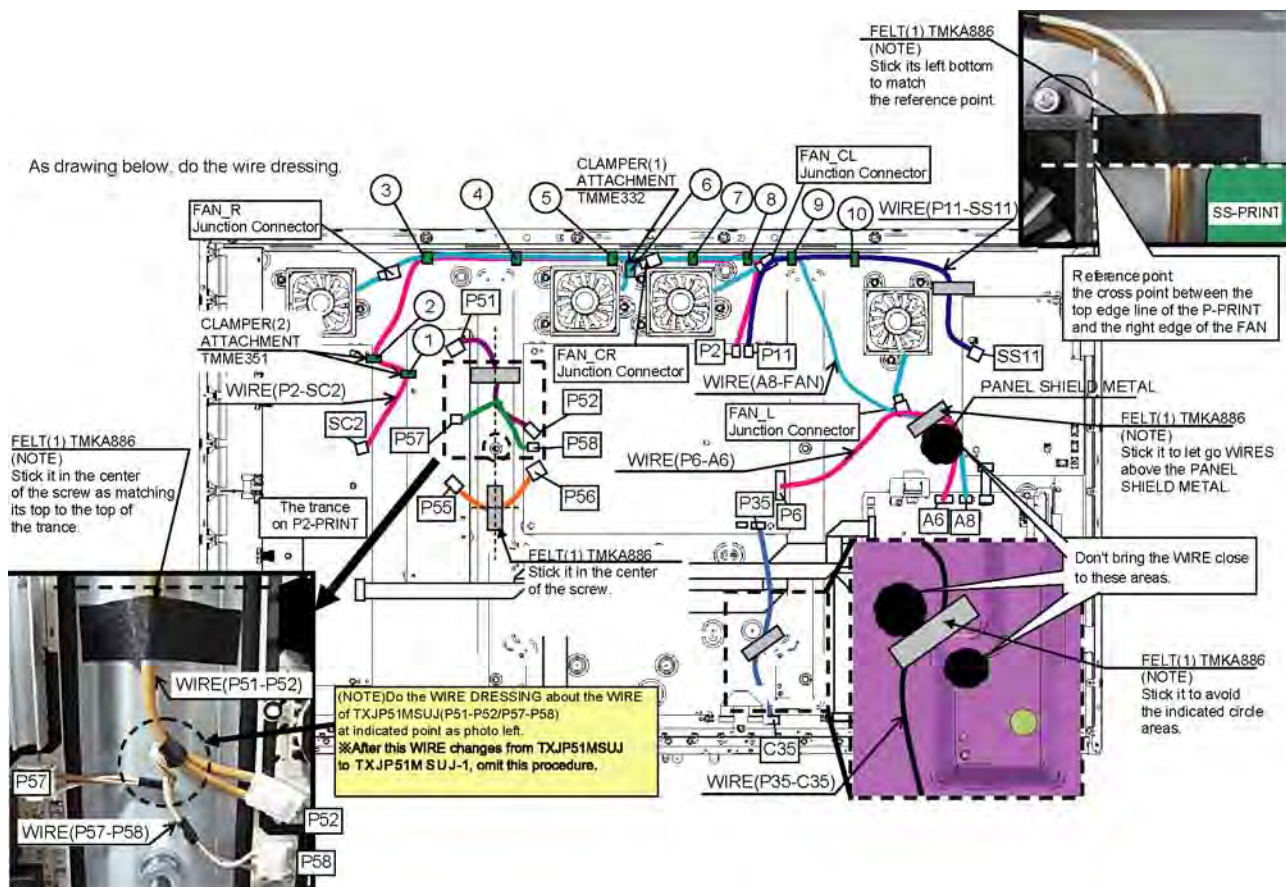
12 Wiring Connection Diagram

12.1. Caution statement.

Caution:

Please confirm that all flexible cables are assembled correctly.
Also make sure that they are locked in the connectors.
Verify by giving the flexible cables a very slight pull.

12.2. Wiring (1)

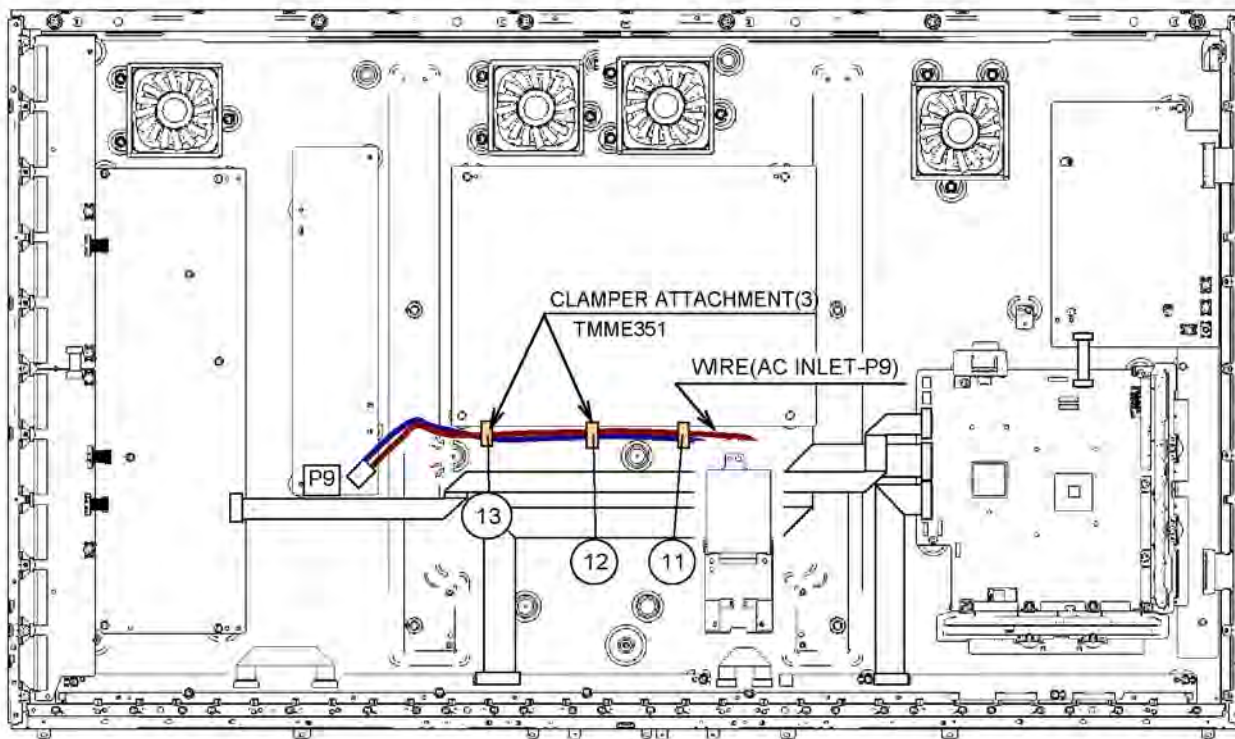


CONNECTOR No. and NAME		CLAMPER No.									
		1	2	3	4	5	6	7	8	9	10
P2	SC2	○	○	○	○	○		○	○		
P11	SS11									○	○
P35	C35										
P51	P52										
P55	P56										
P57	P58										
P6	A6										
A8	FAN_R			○	○	○		○	○	○	
	FAN_CR						○	○	○	○	
	FAN_L									○	
	FAN_CL										

12.3. Wiring (2)

CONNECTOR No. and NAME		CLAMPER No.			
		11	12	13	
AC INLET	P9	○	○	○	

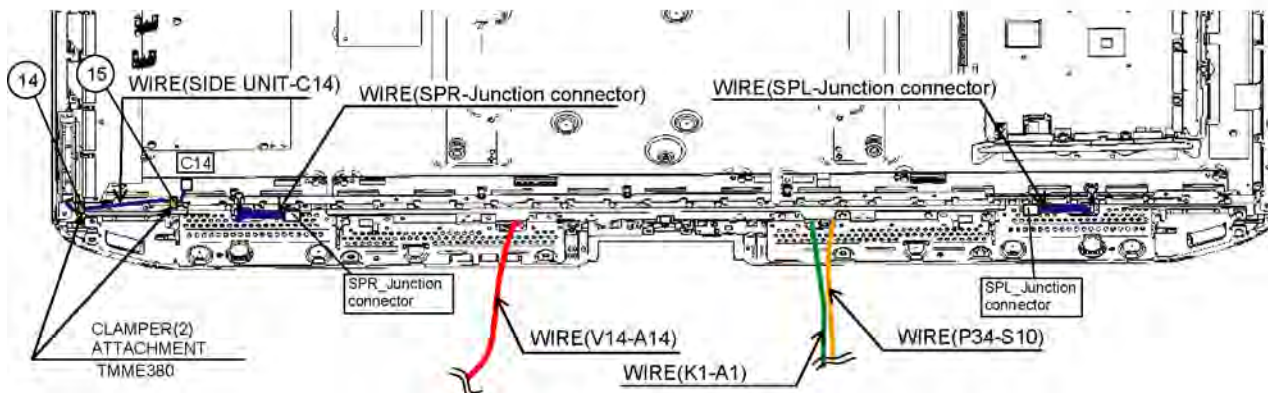
As drawing below, do the wire dressing.



12.4. Wiring (3)

As drawing below, do the wire dressing.

CONNECTOR No. and NAME		CLAMPER No.			
		14	15		
P34	S10				
K1	A1				
V14	A14				
SPL	Junction connector				
SPR	Junction connector				
SIDE UNIT	C14	○	○		



CLAMPER(2) ATTACHMENT
TMME332

There must be each SP_Junction connector and WIRE below the bend part line of the CONTACT METAL BOTTOM

ADETAL
※each L and R Side

(NOTE) THE WIER(A11-SPR/SPL) must pass the hole for the CLAMPER installation as photo below.

CLAMPER INSTALLATION HOLE

(NOTE) The whole of each SP_Junction connector must be on the inside of this FELT (preceding attachment).

SPR_Junction connector

FELT(1)
ATTACHMENT
TMK4TA138
(T0.5*W12*L29)

WIRE(V14-A14)

FELT(1)
ATTACHMENT
TMK4TA138

SPR_Junction connector

CONNECTOR No. and NAME		CLAMPER No.												
		17	18	19	20	21	22	24	25	26	27	28	29	30
V14	A14			○	○	○	○				○	○	○	
P34	S10									○	○	○		○
K1	A1									○	○	○		○
SPL Junction connector	A11									○	○	○		○
SPR Junction connector			○	○	○	○	○			○	○	○		○

WIRE(P34-S10)

WIRE(A11-SPR/SPL)

WIRE(K1-A1)

12.6. Wiring (5)

① Open the LID.

② Insert the FFC to the CONNECTOR, and hitch the projection of the FFC to ribs of the CONNECTOR.

③ Close the LID.

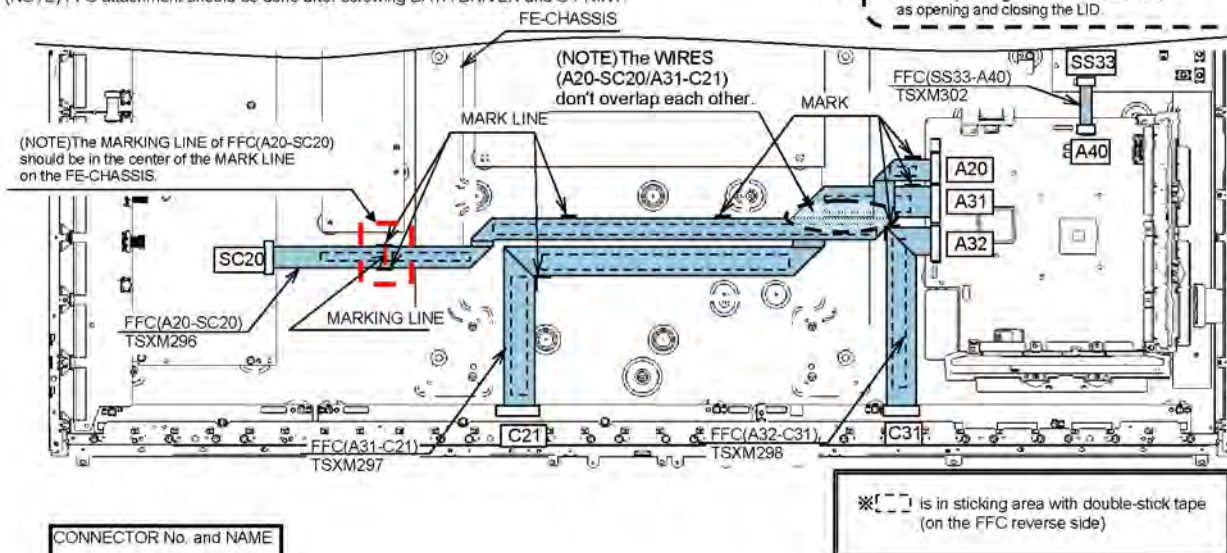
OPEN

The electrode side is downside.

CLOSE

THE PROJECTION OF FFC







(NOTE)
Avoid any damage of the CONNECTOR, as opening and closing the LID.



13. Schematic Diagram

13.1. Schematic Diagram Notes

Notes:

1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
3. **Coil**
Unit of inductance is H, unless otherwise noted.
4. **Test Point**
 : Test Point position
5. **Earth Symbol**
 : Chassis Earth (Cold)  : Line Earth (Hot)
6. **Voltage Measurement**
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
 Power Source AC 220-240V, 50/60Hz
 Receiving Signal Colour Bar signal (RF)
 All customer's controls Maximum positions
7. When arrow mark () is found, connection is easily found from the direction of arrow.
8. Indicates the major signal flow. : Video  Audio 
9. This schematic diagram is the latest at the time of printing and subject to change without notice.

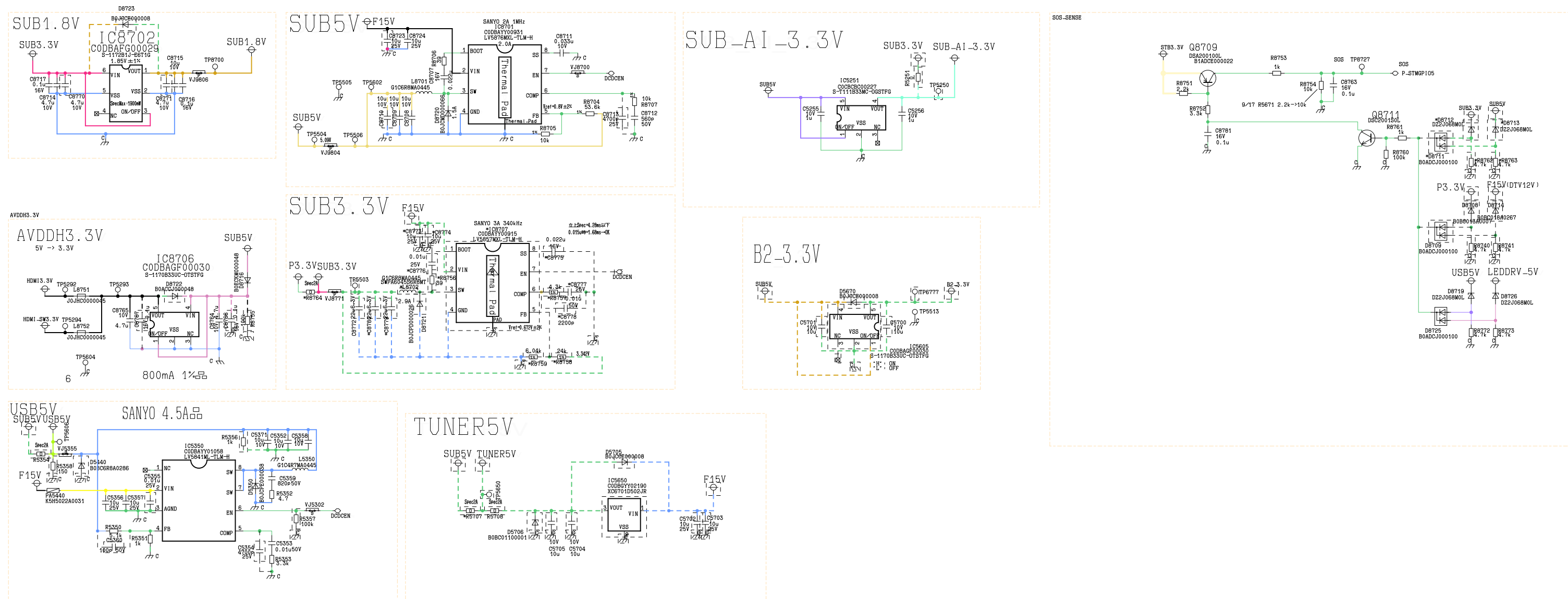
Notice: Use the parts number indicated on the Replacement parts List.

Remarks:

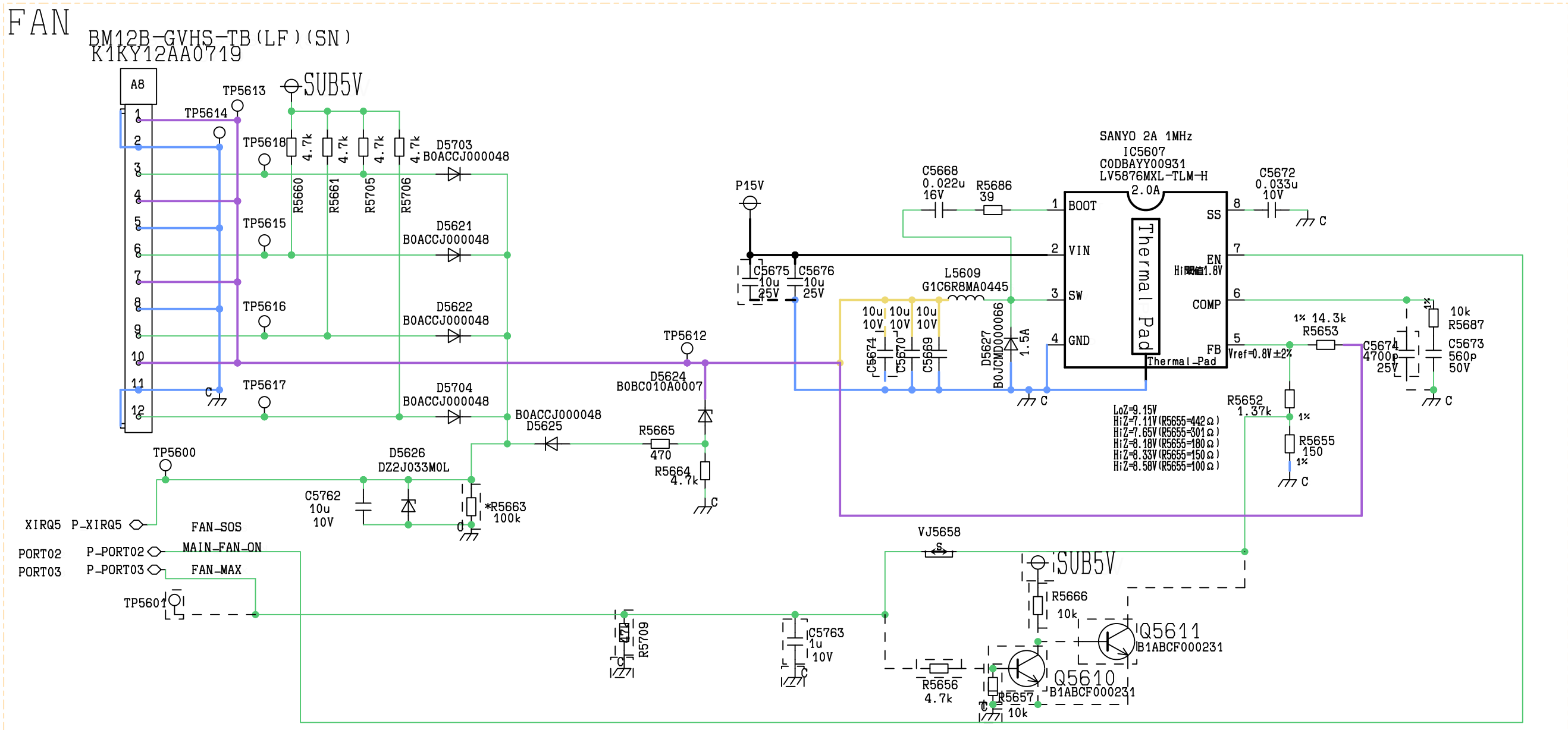
1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.



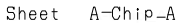
13.3. A Board Schematic Diagram - (1/19)



13.4. A Board Schematic Diagram - (2/19)





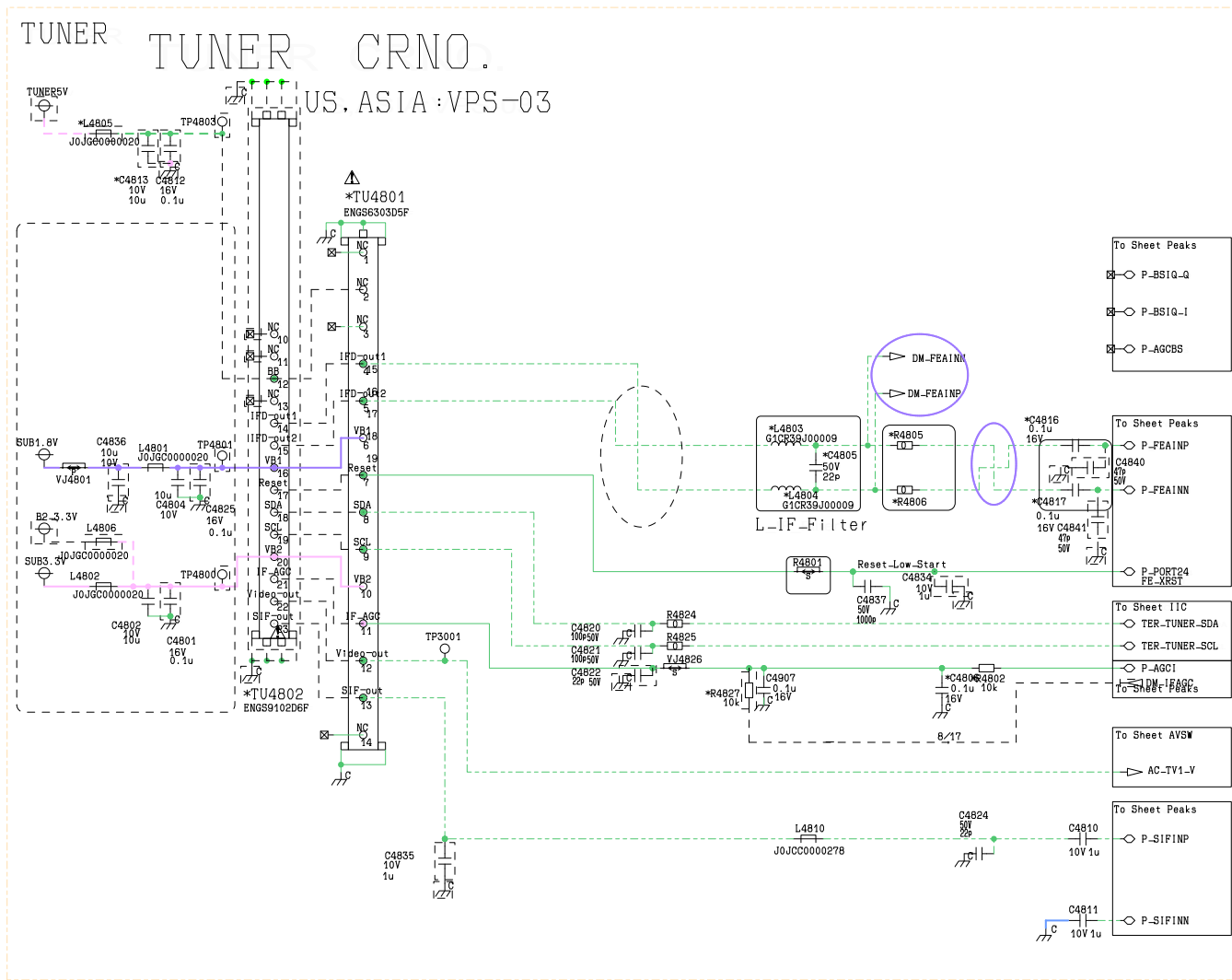


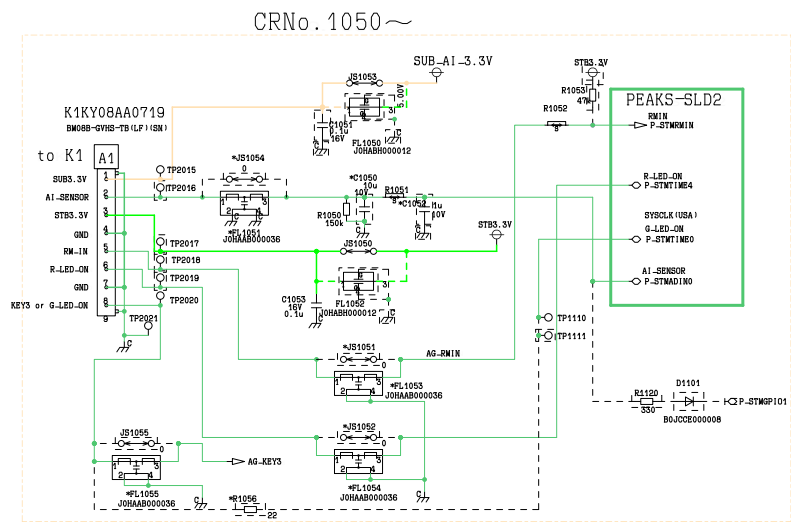




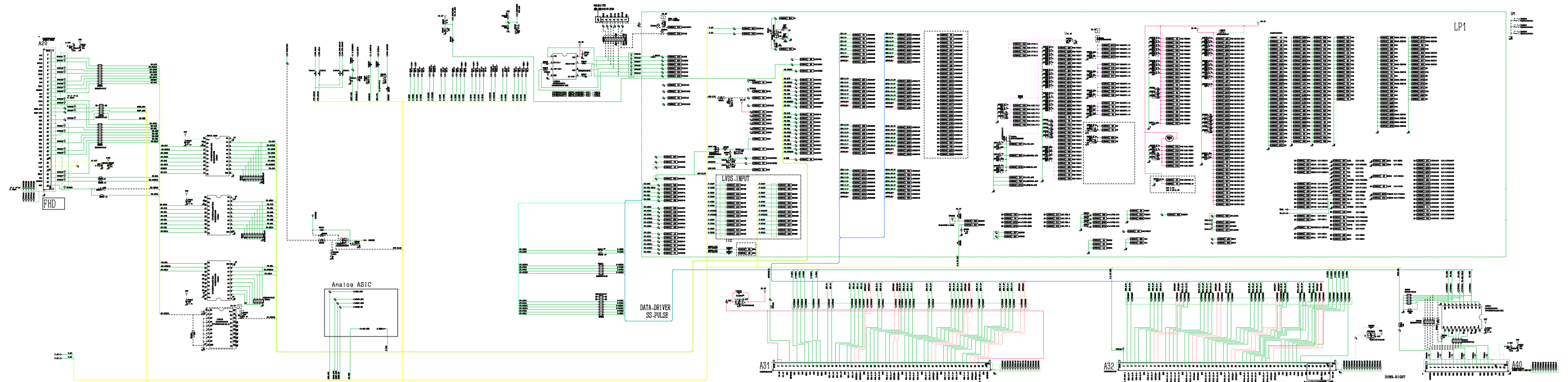
13.9. A Board Schematic Diagram - (7/19)

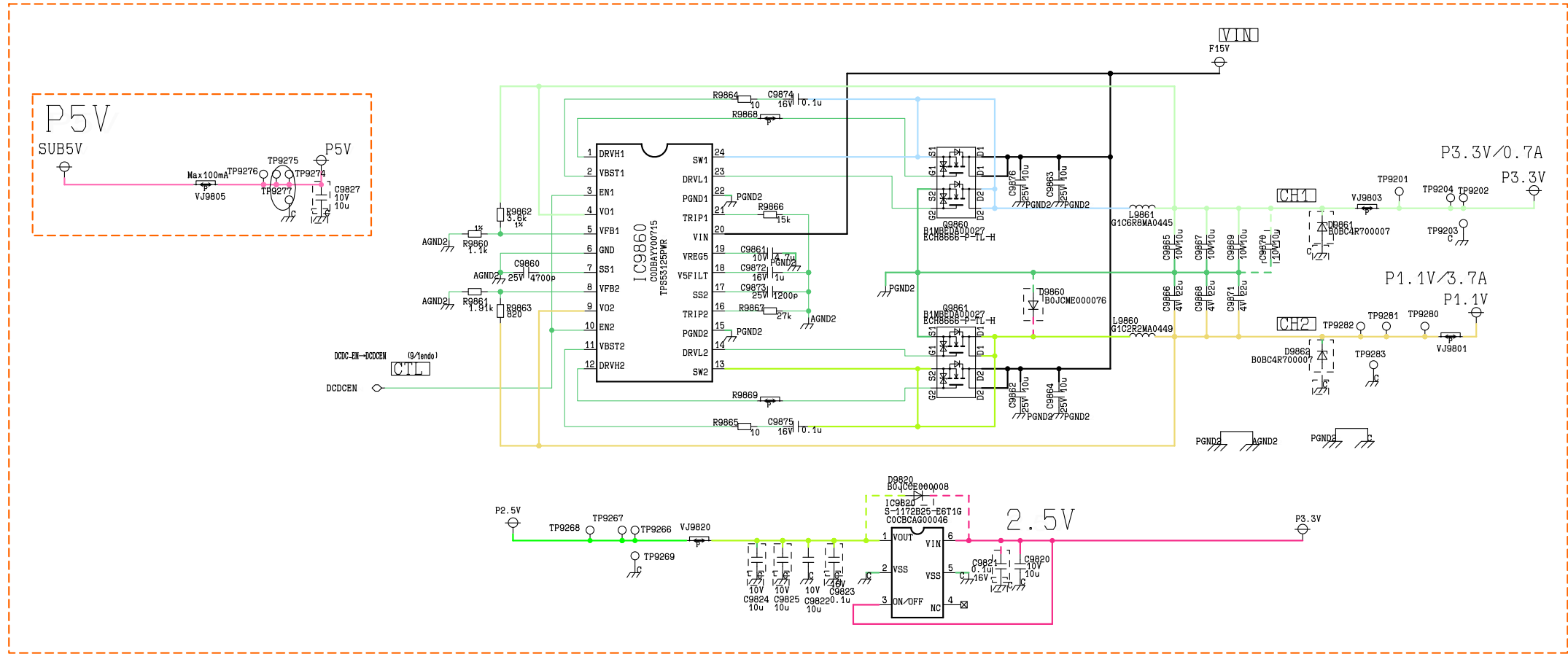
PDP/LCD COMMON

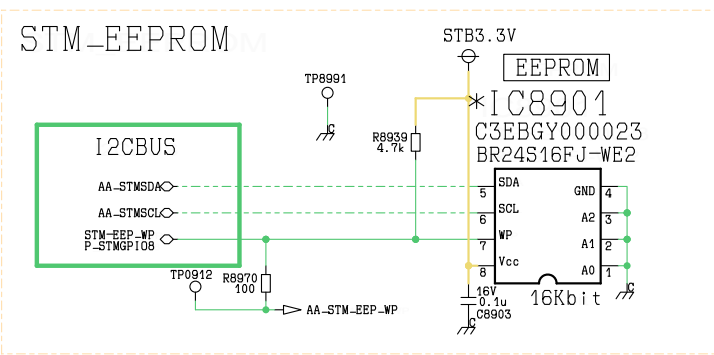
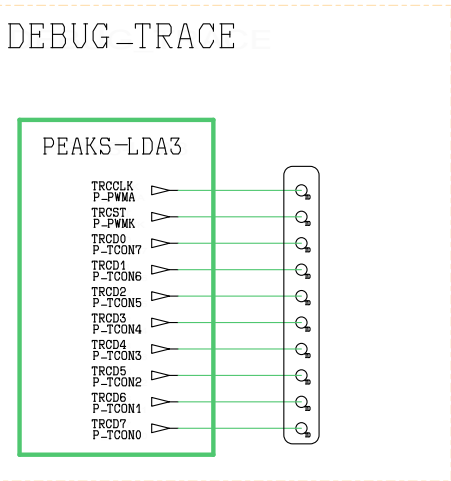
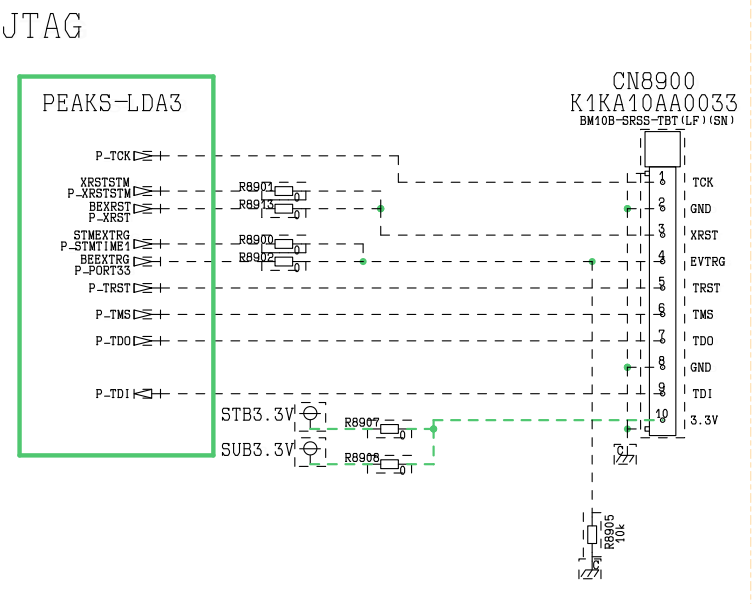




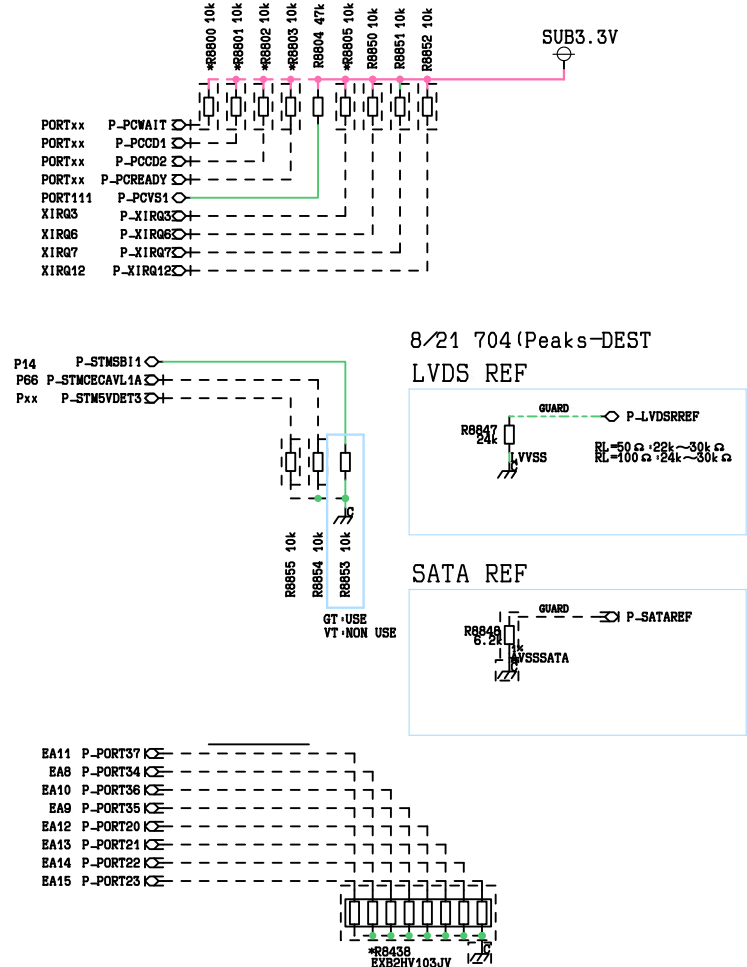
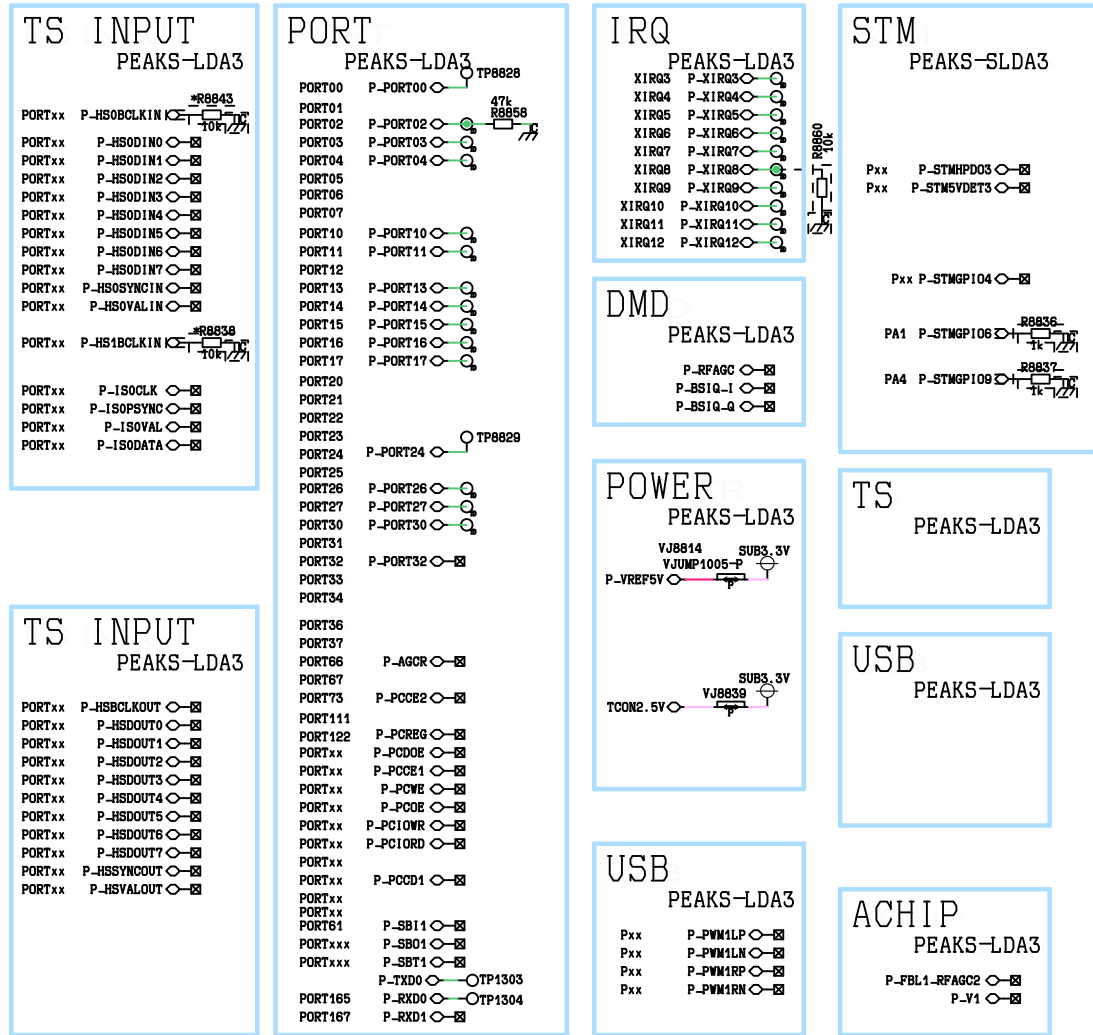
13.11. A Board Schematic Diagram - (9/19)



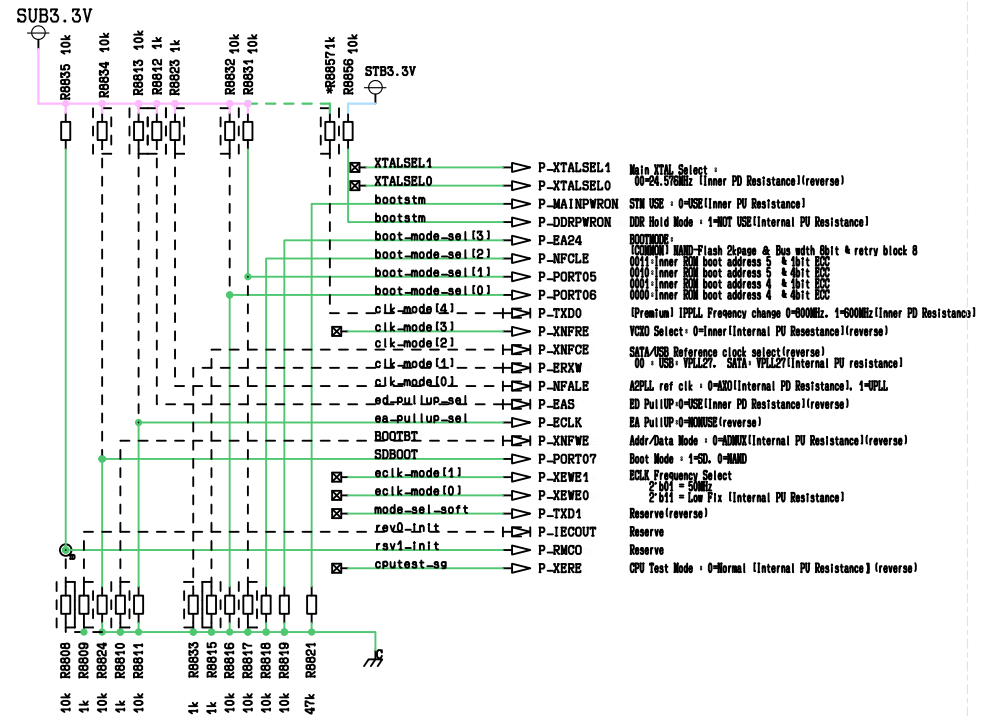




NONUSE_PIN

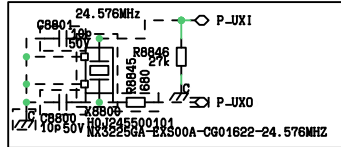


INITIAL-SETUP

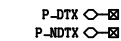


SATA

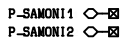
SATA/USB CLK (Reserve)



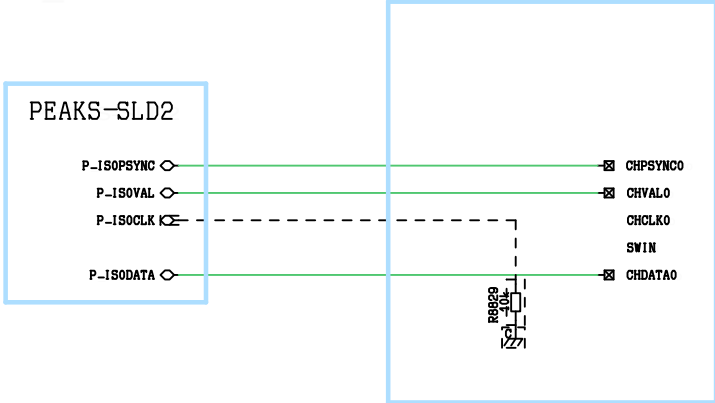
100 Ω DIFFERENTIAL IMPEDANCE



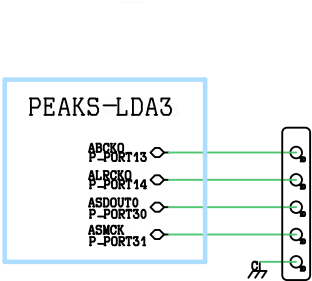
100 Ω DIFFERENTIAL IMPEDANCE



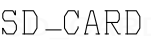
TS_INPUT



DEBUG-I 25



PEAKS-SLD2





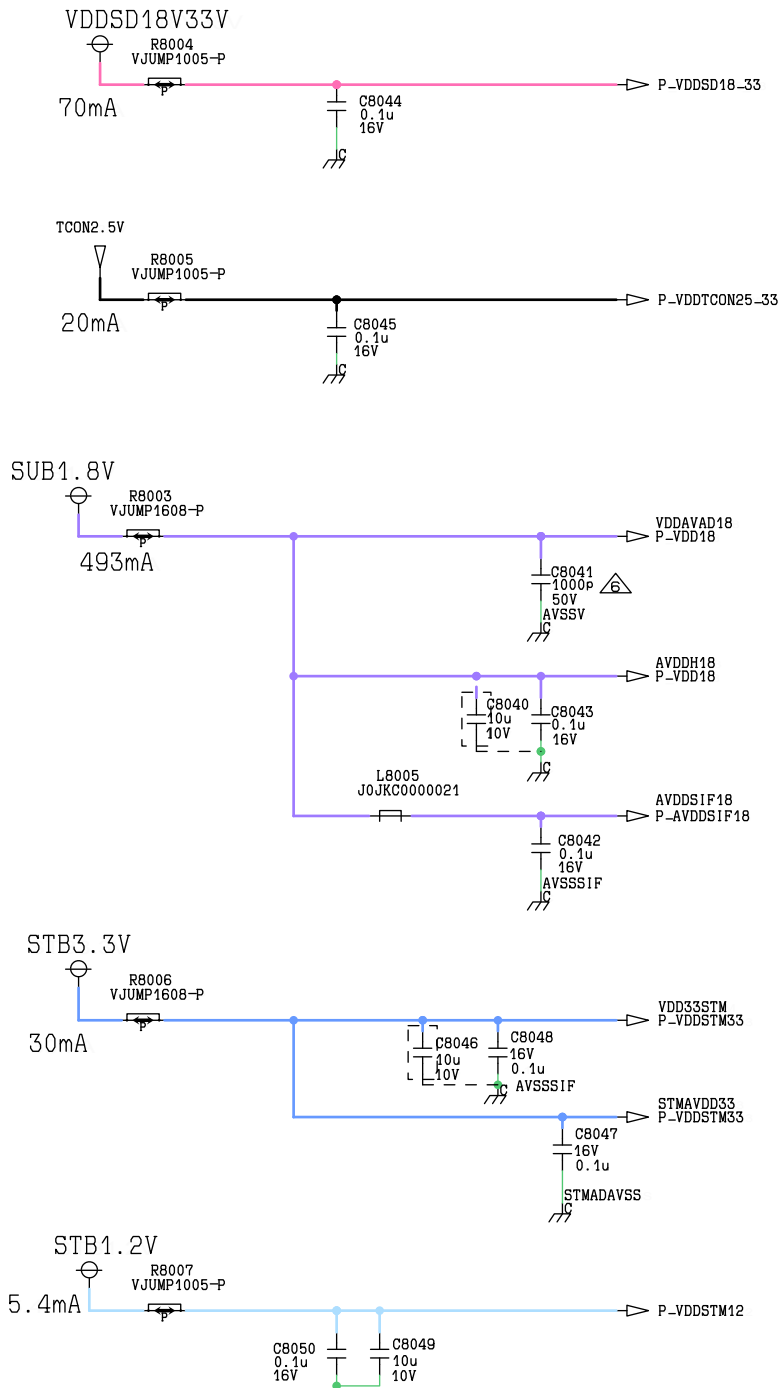
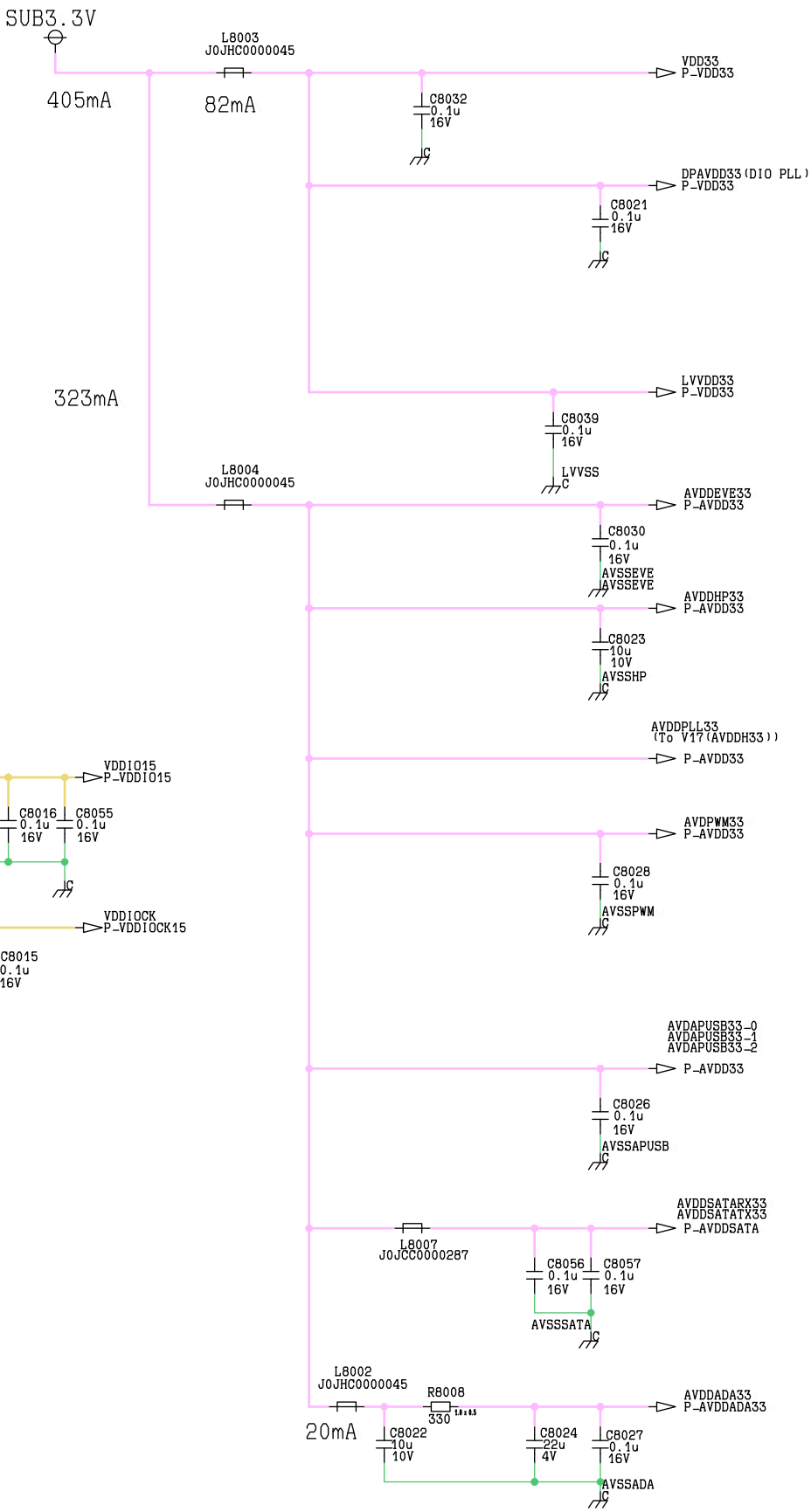
The schematic diagram illustrates the power supply section of the TDA1564K02, showing various voltage rails and their associated components. The components are color-coded: yellow for the main power rails, green for decoupling capacitors, and purple for the HDMI input section.

Power Rails and Currents:

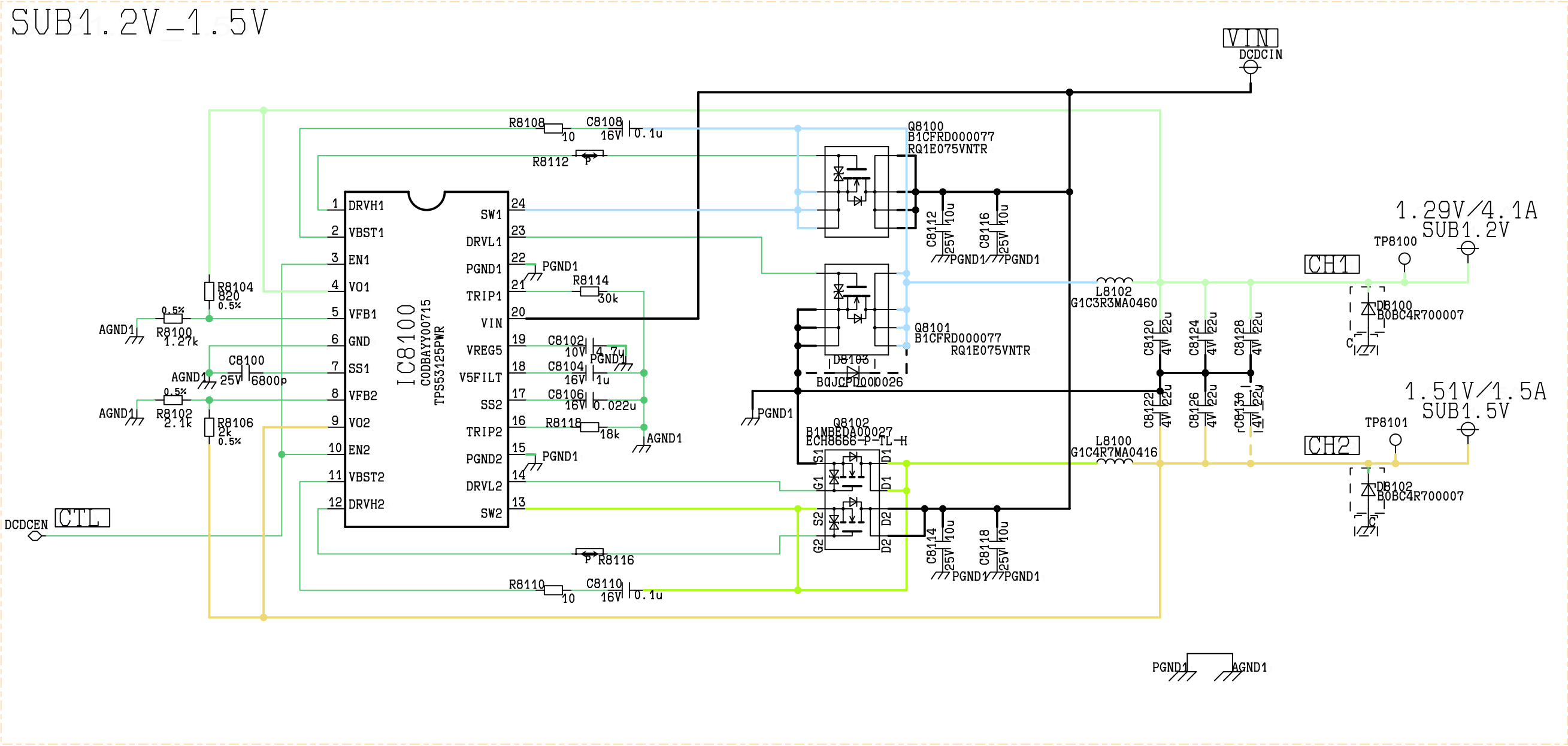
- SUB1.2V:** 4094mA input, 3786mA output. It branches into VDD12 SUB1.2V, VDDUSB SUB1.2V, and LVVDD12 SUB1.2V.
- SUB3.3V:** 405mA input, 323mA output.
- SUB1.5V:** 286mA input, 308mA output. It branches into VDDR12 P-VDDR12 and VDDA12 P-VDDA12.
- HDMI13.3V:** 42.6mA input, AVDDH33 HDMI13.3V output.

Key Components:

- Resistors:** R8009 (VJUMP1608-P), R8002 (VJUMP1608-P), R8010 (0Ω), R8036 (0.1uF 16V).
- Capacitors:** C8051 (10uF 10V), C8002 (10uF 10V), C8003 (0.1uF 16V), C8007 (0.1uF 16V), C8008 (0.1uF 16V), C8001 (0.1uF 16V), C8004 (0.1uF 16V), C8006 (0.1uF 16V), C8005 (0.1uF 16V), C80101 (0.1uF 16V), C8009 (10uF 10V), C8010 (0.1uF 16V), C8011 (0.1uF 16V), C8012 (0.47uF 6.3V), C8017 (10uF 10V), C8020 (0.1uF 16V), C8019 (0.1uF 16V), C8018 (0.1uF 16V), C8013 (0.1uF 16V), C8014 (0.1uF 16V), C8052 (0.1uF 16V), C8053 (0.1uF 16V), C8054 (0.1uF 16V), C8016 (0.1uF 16V), C8055 (0.1uF 16V), C8015 (0.1uF 16V), C8035 (10uF 10V).
- Inductors:** L8001 (JOJCC0000287), L8006 (JOJCC0000287).



13.18. A Board Schematic Diagram - (16/19)

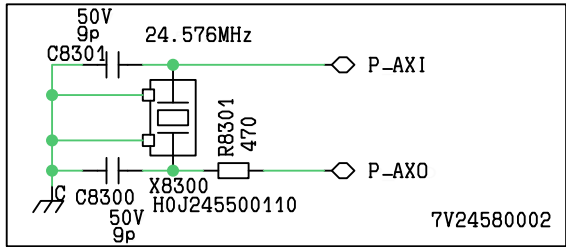




13.20. A Board Schematic Diagram - (18/19)

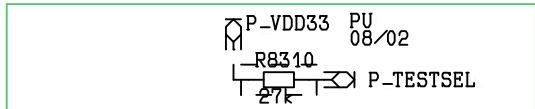
LOCK/LDA3

CLK

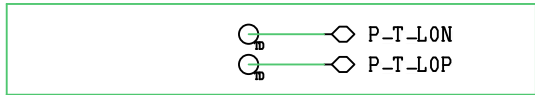


USB/SATA CLK move peaks-other sheet

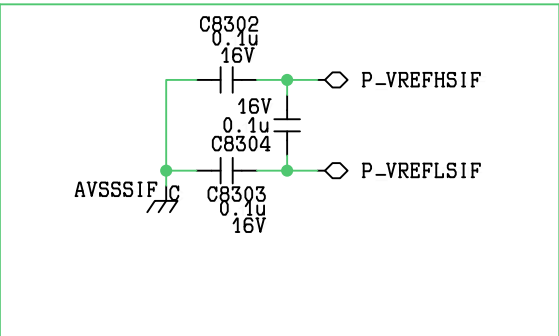
TEST



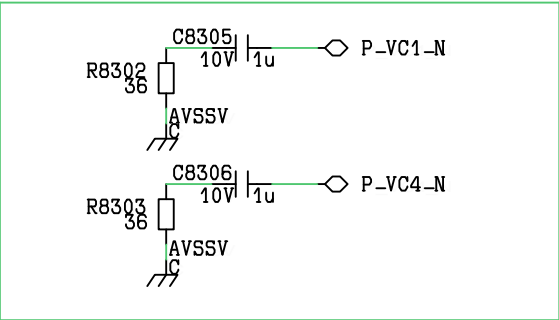
TEST



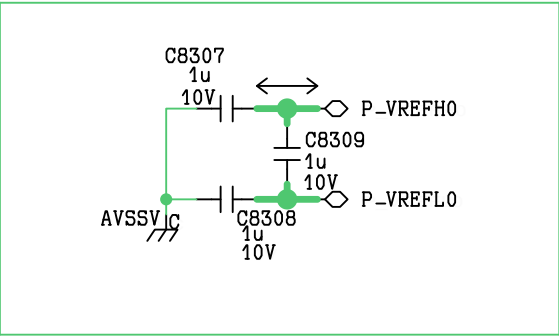
SIF-ADC REF (DMD)



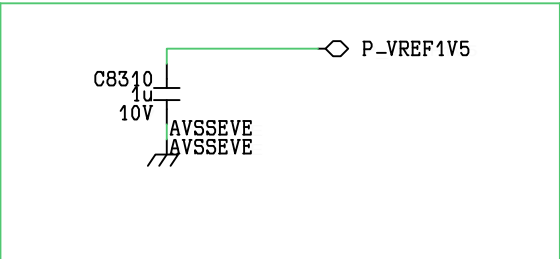
VIDEO INPUT



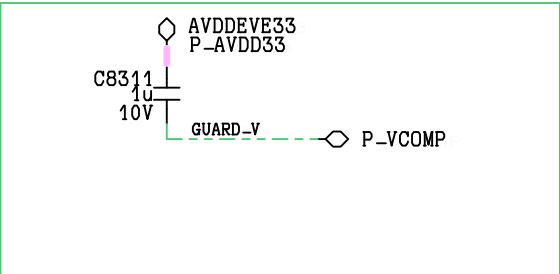
V-ADC REF



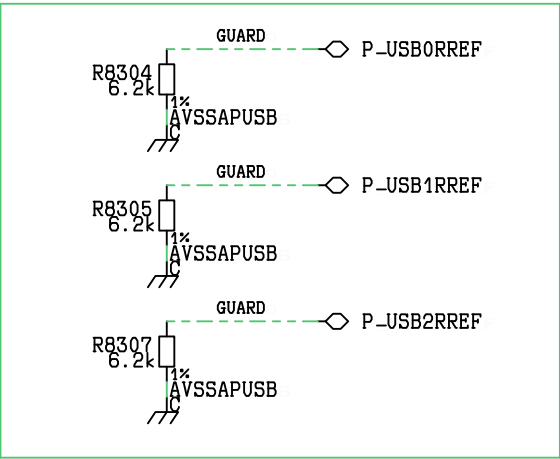
A-ADC REF



V-DAC REF

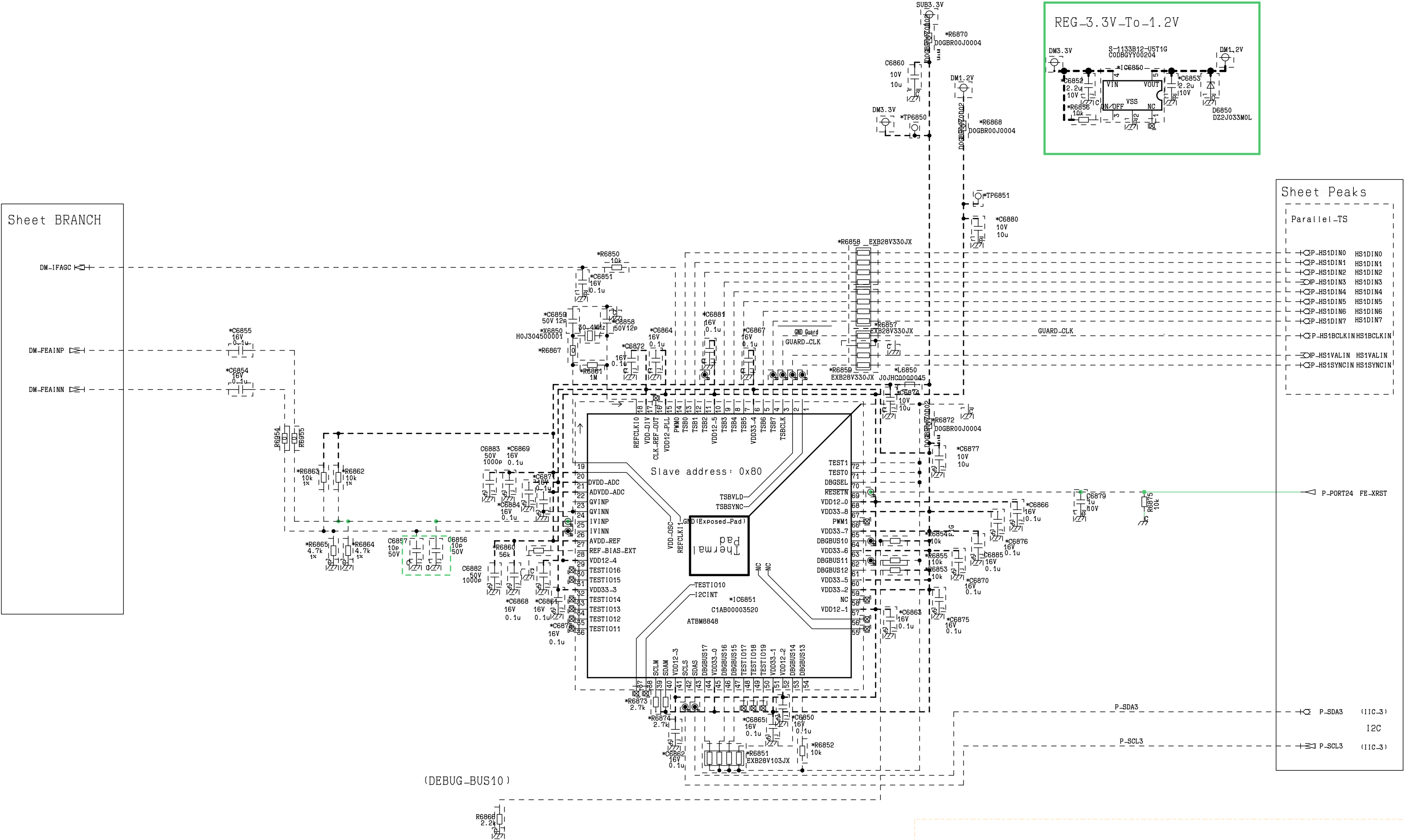


USB REF

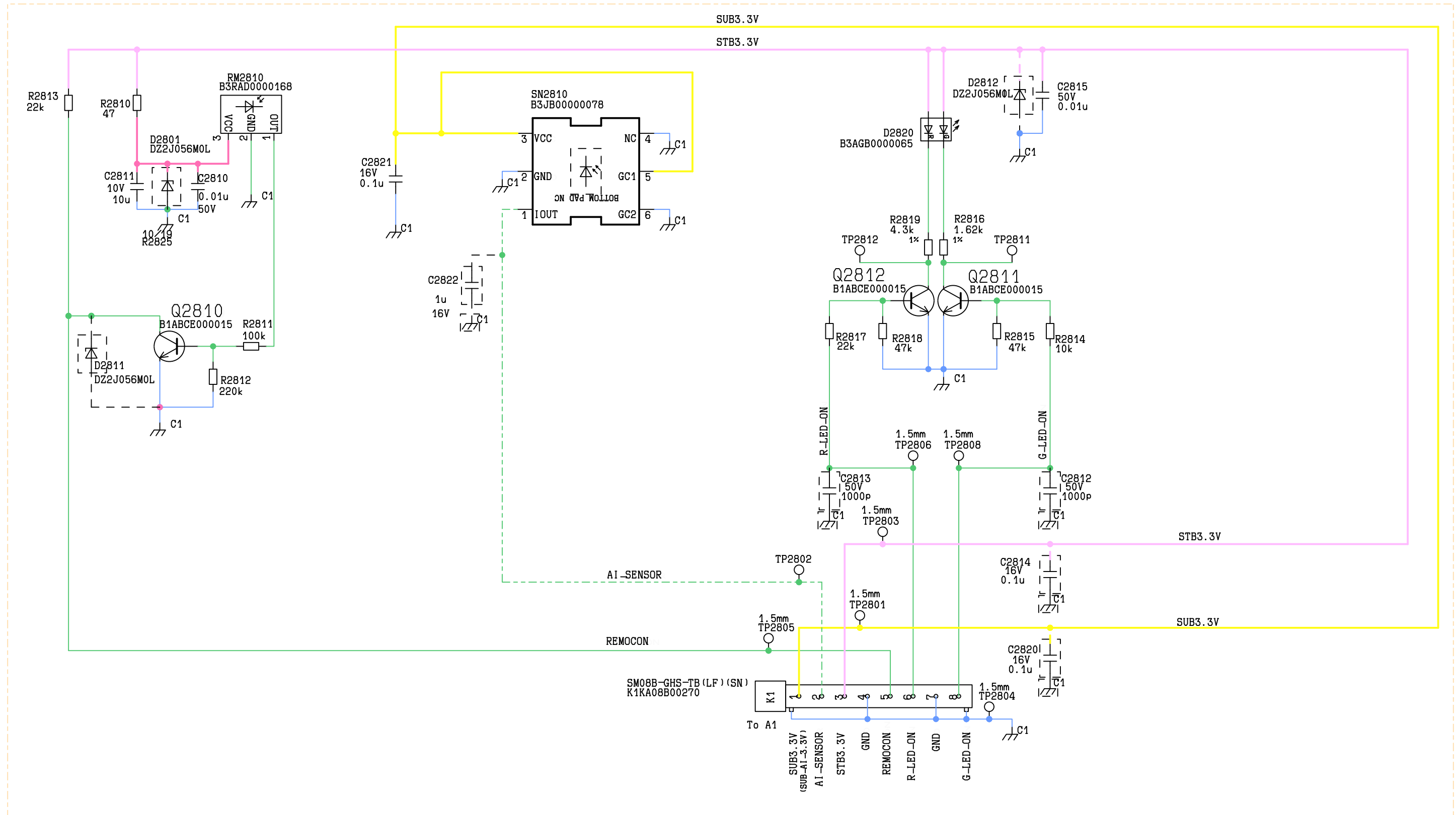


13.21. A Board Schematic Diagram - (19/19)

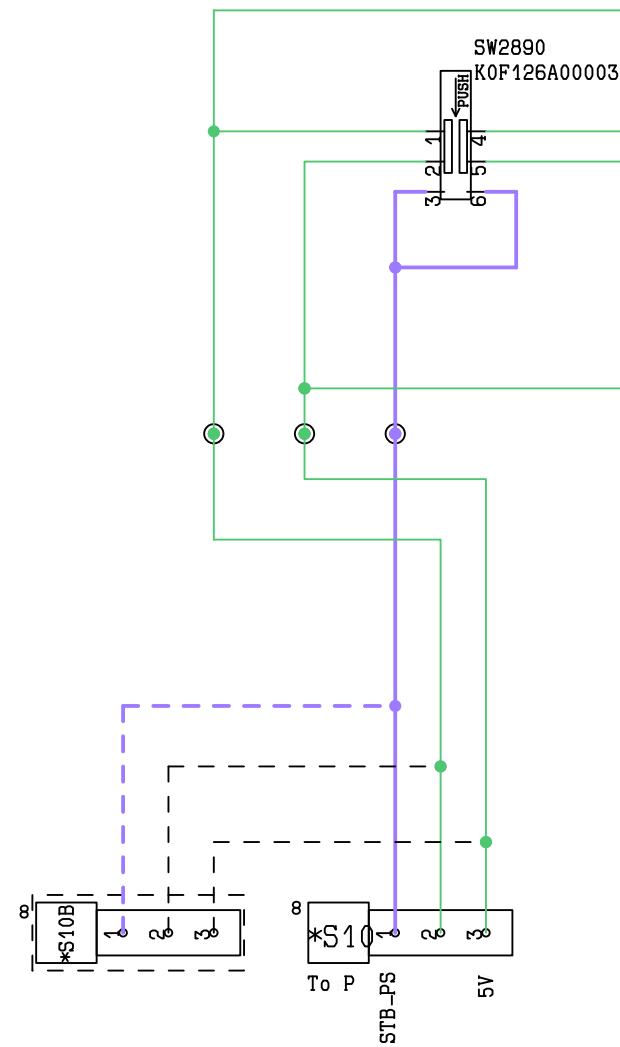
Sheet BRANCH



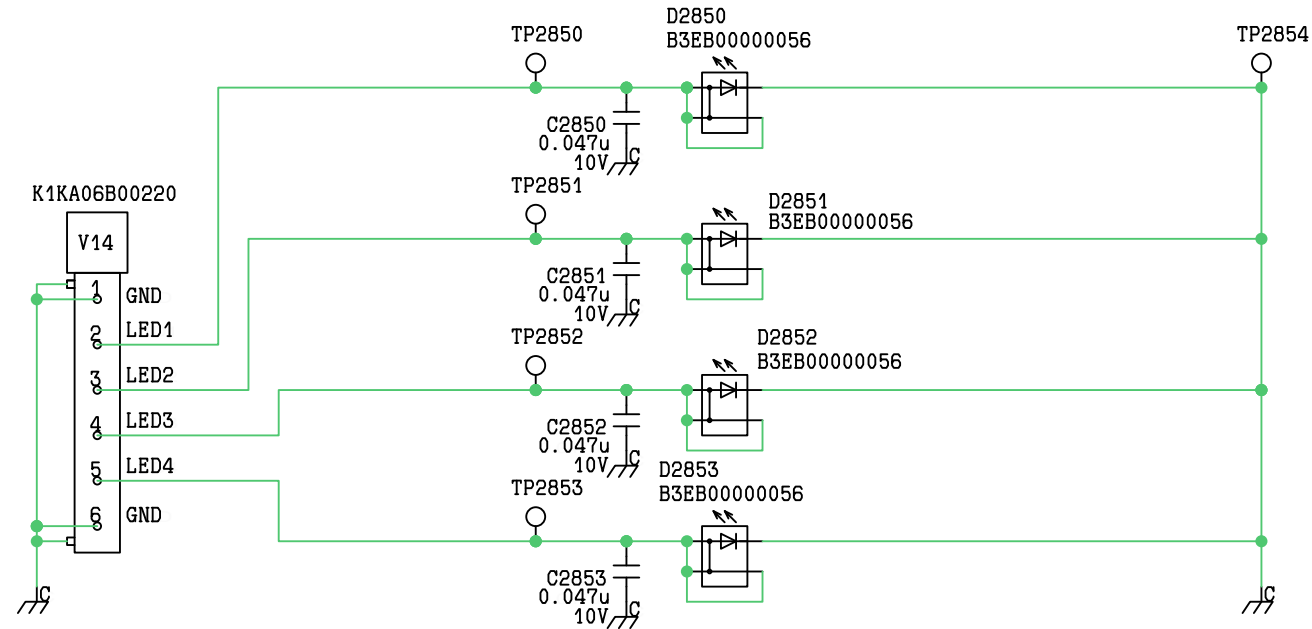
13.22. K Board Schematic Diagram



13.23. S Board Schematic Diagram

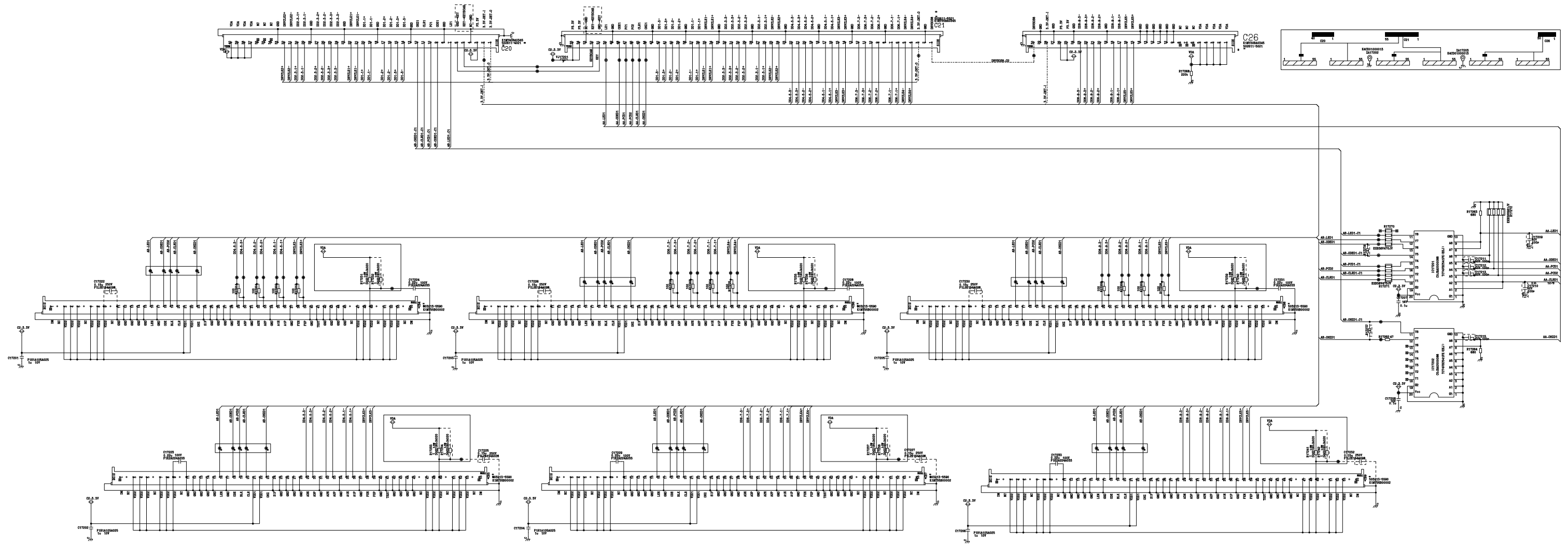


13.24. V Board Schematic Diagram

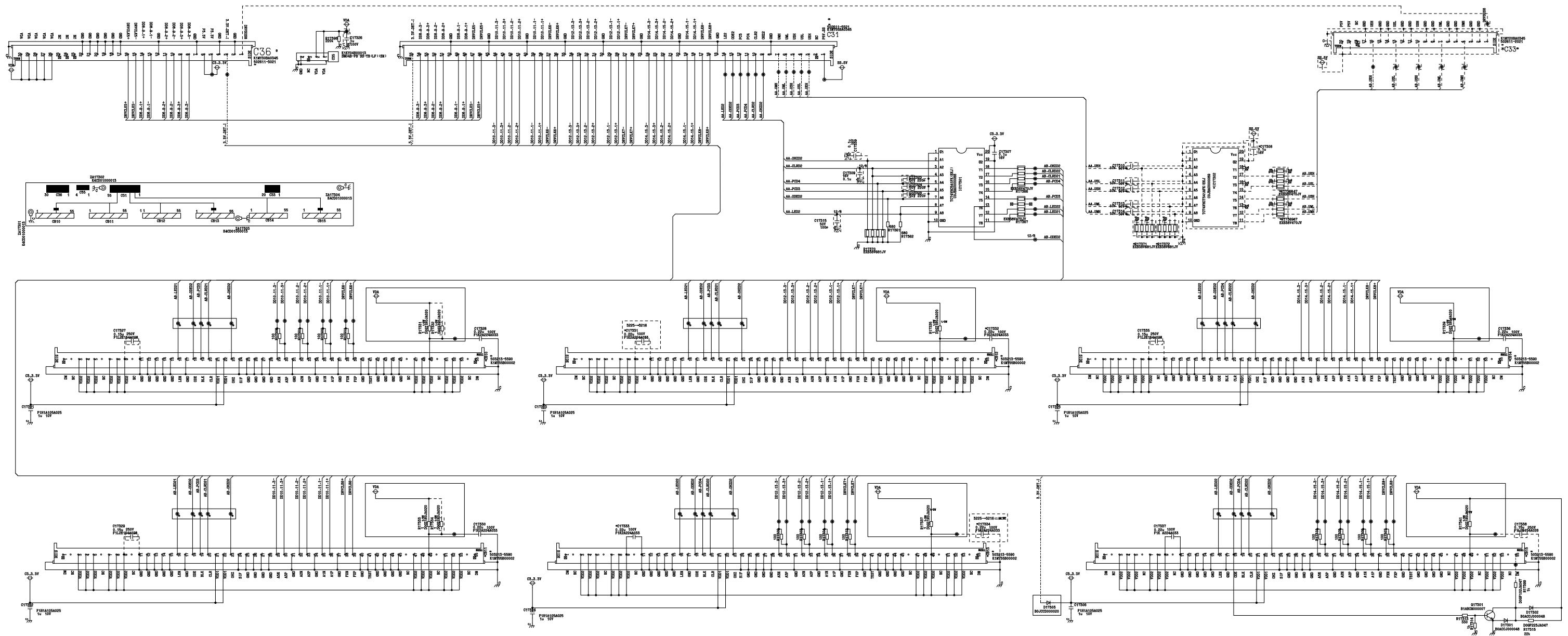




13.26. C2 Board Schematic Diagram



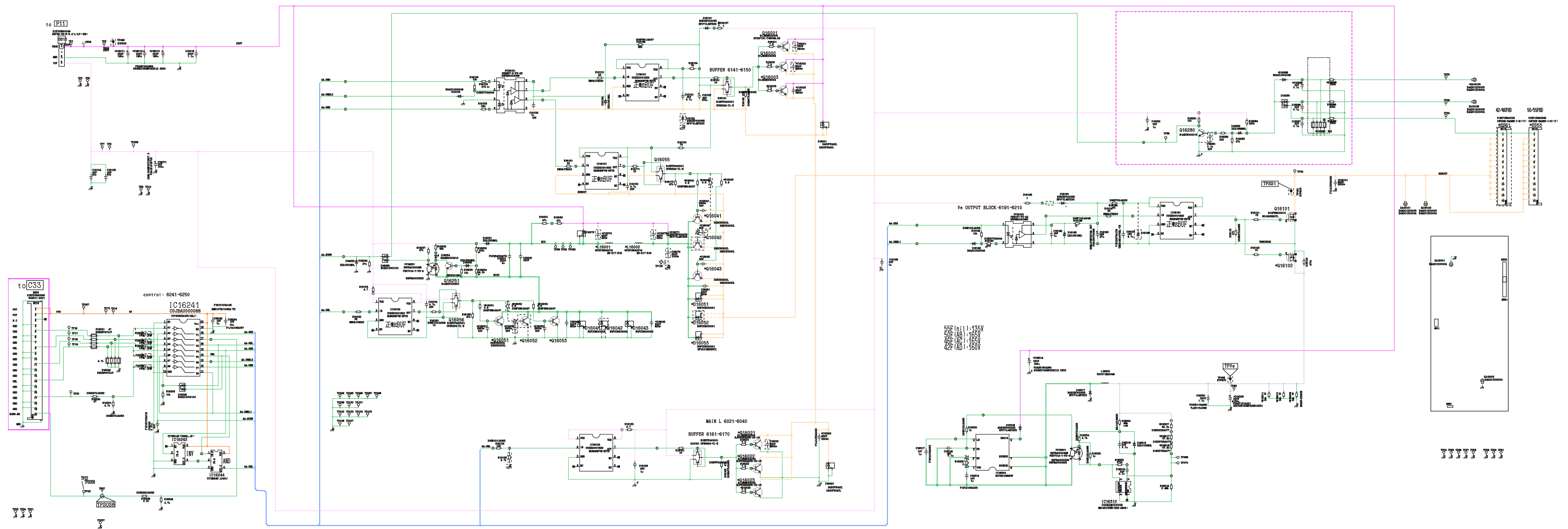
13.27. C3 Board Schematic Diagram



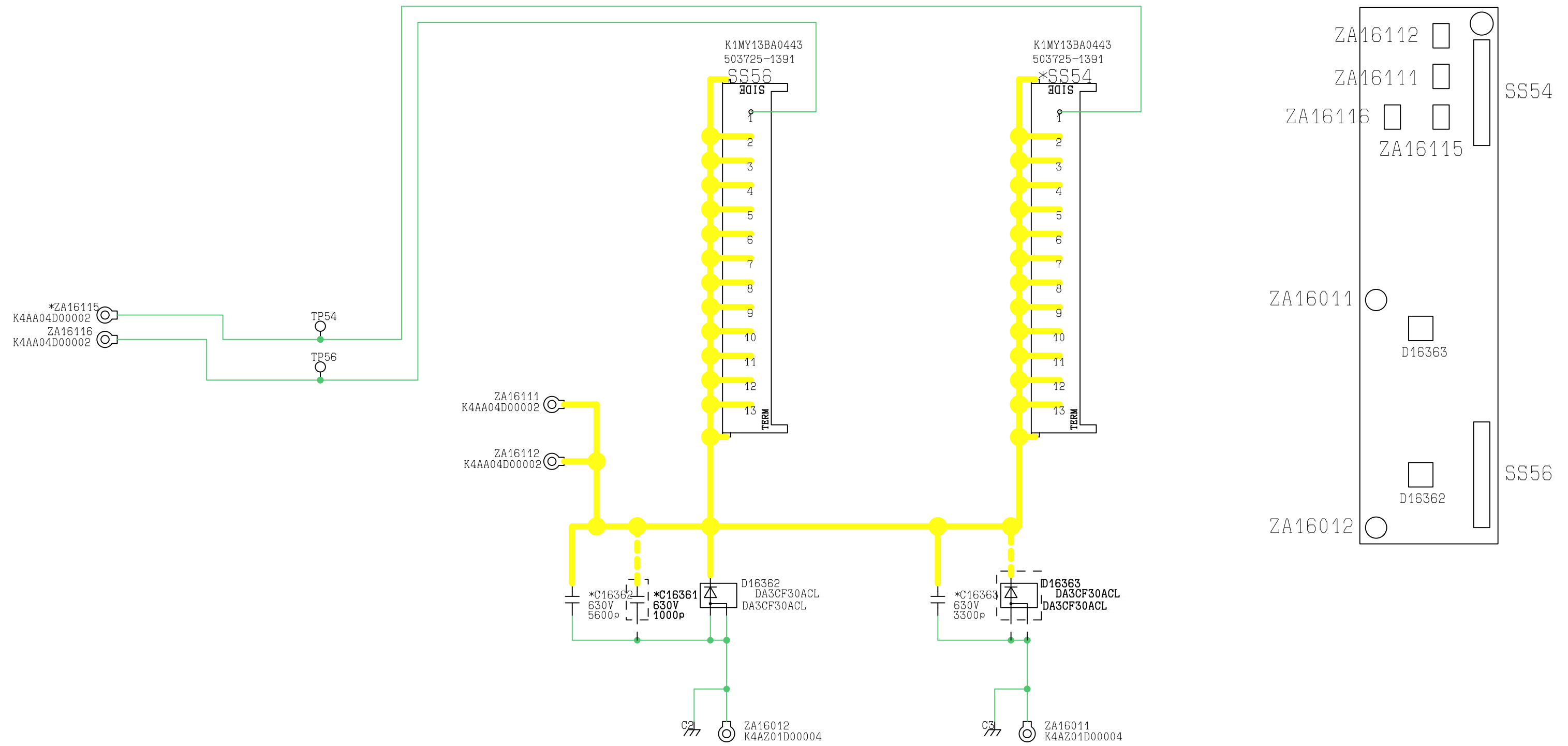




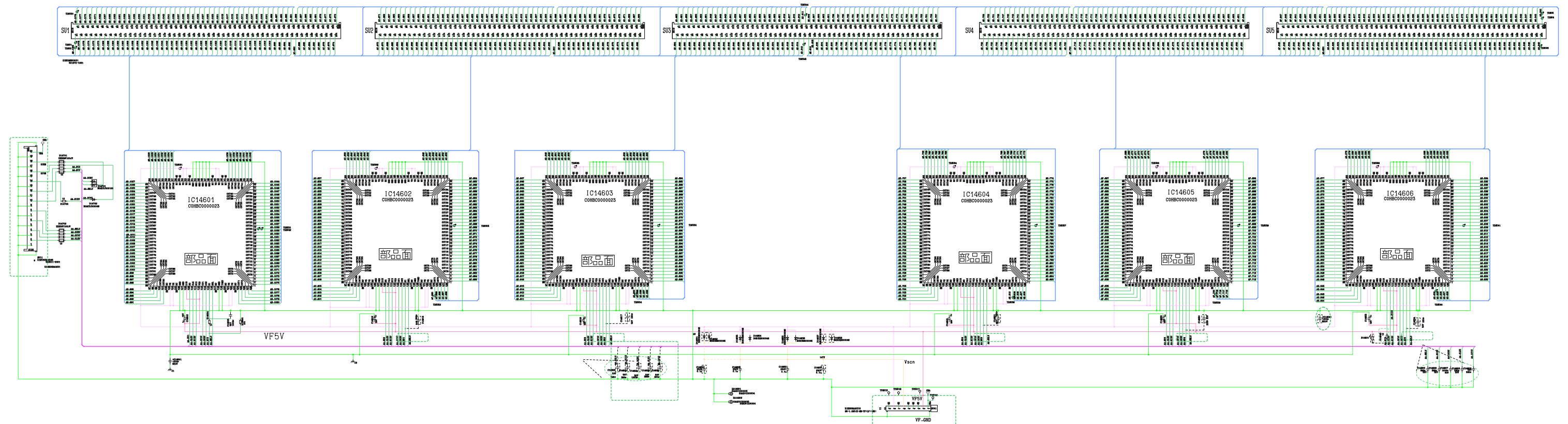
13.30. SS Board Schematic Diagram



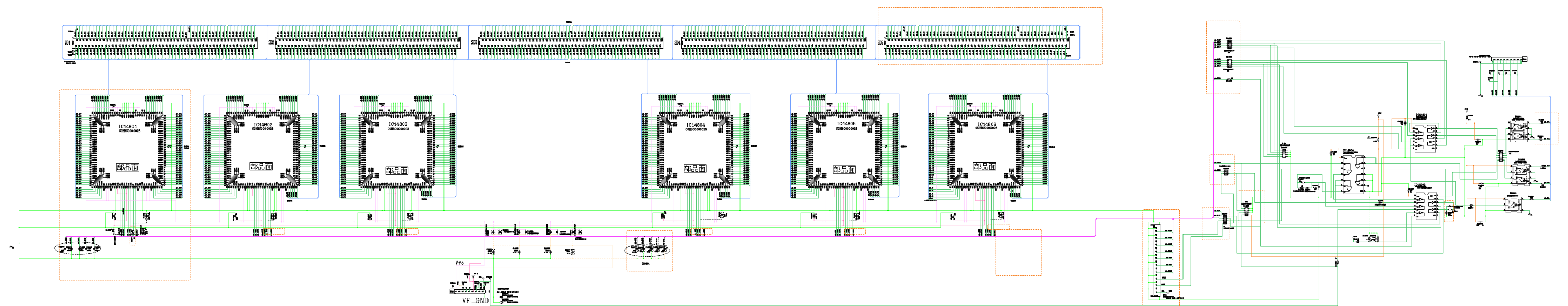
13.31. SS2 Board Schematic Diagram



13.32. SU Board Schematic Diagram

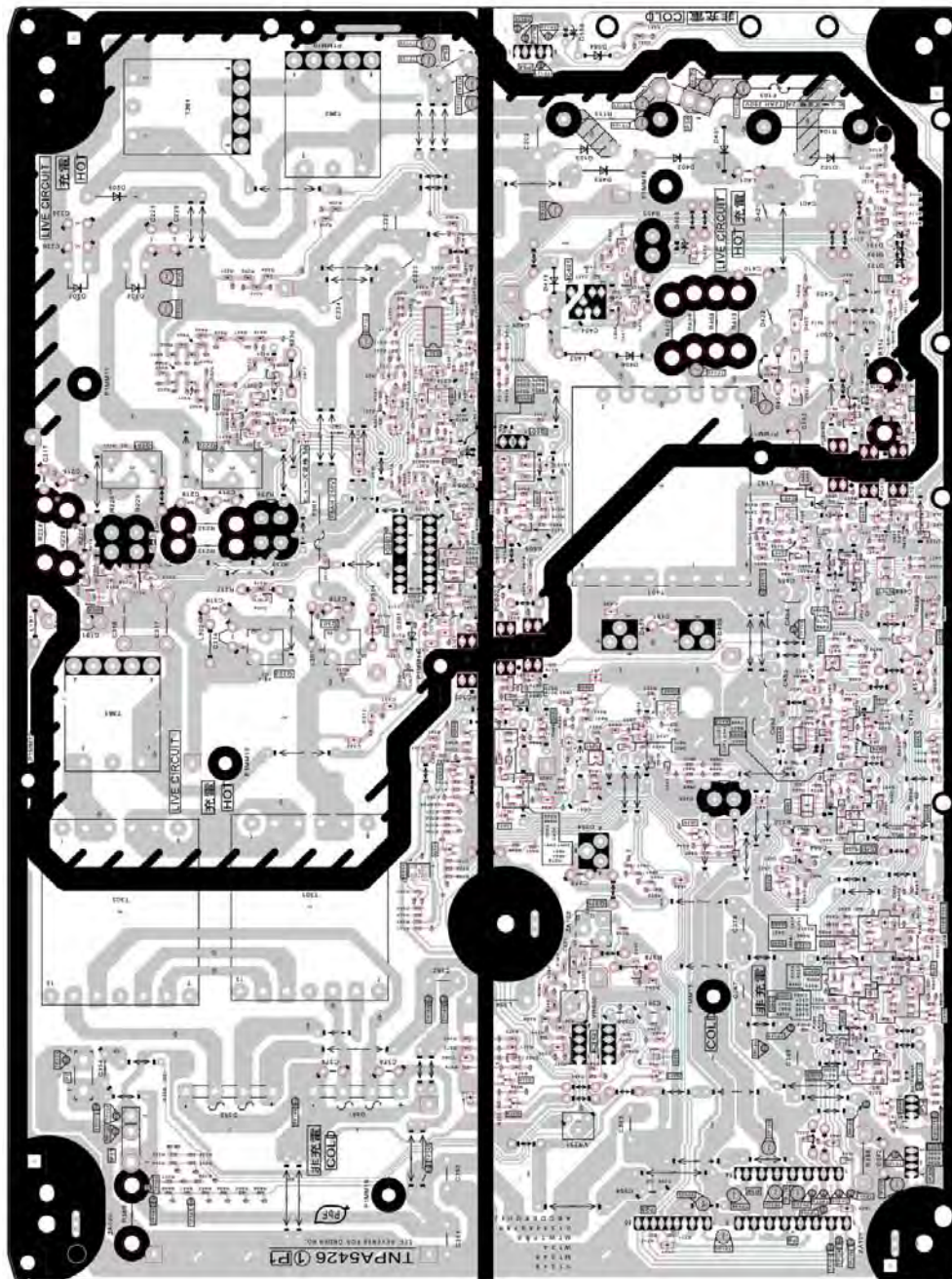


13.33. SD Board Schematic Diagram

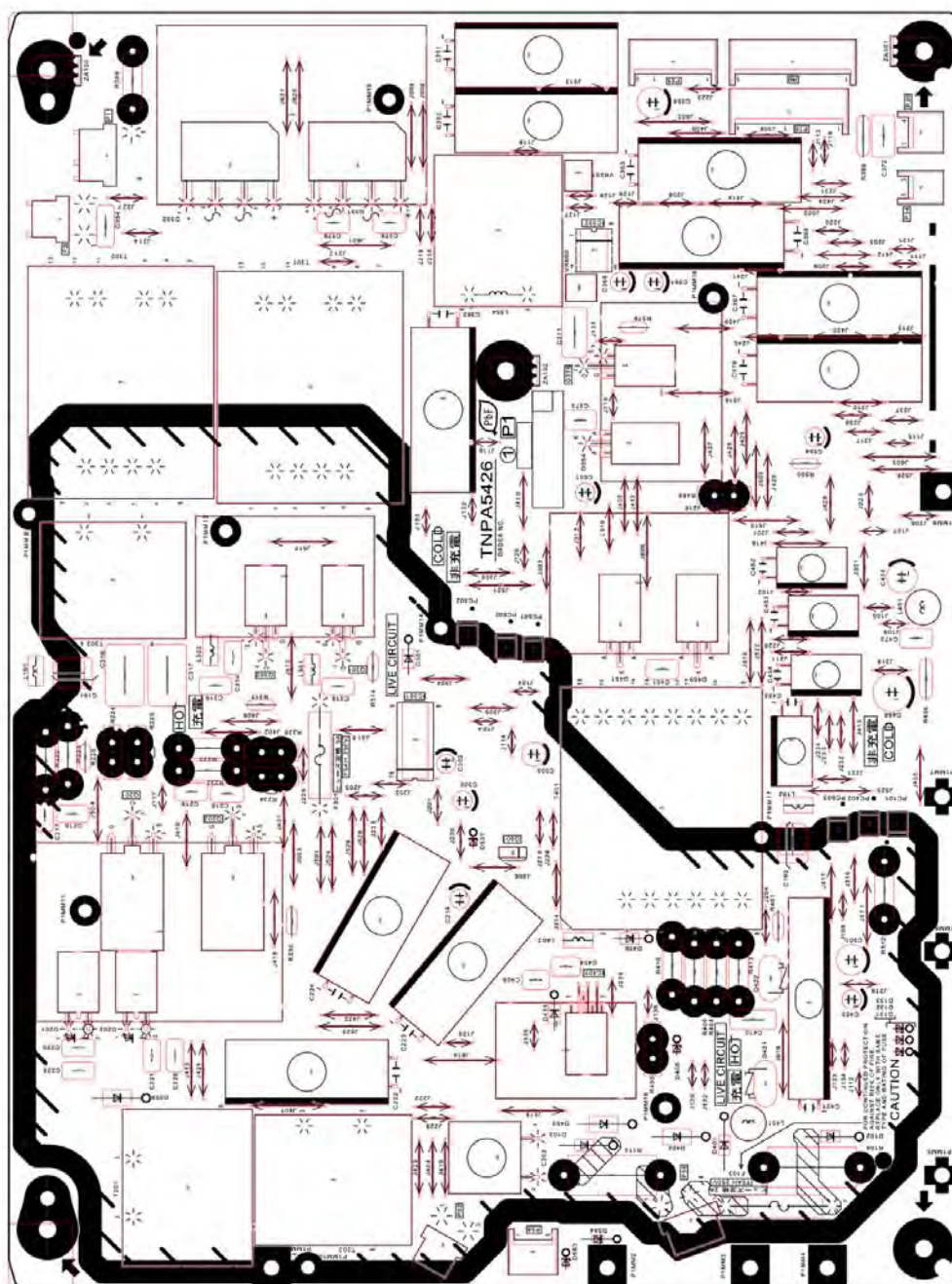


14. Printed Circuit Boards

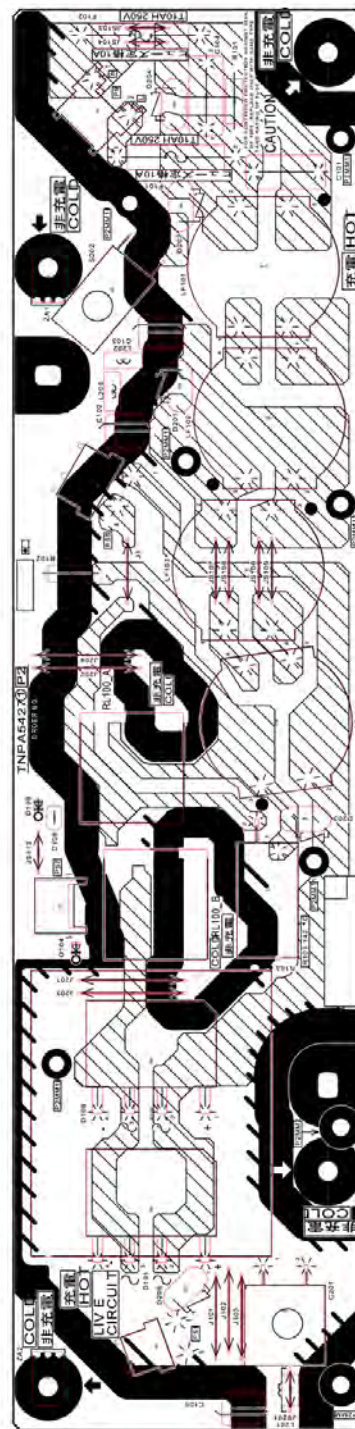
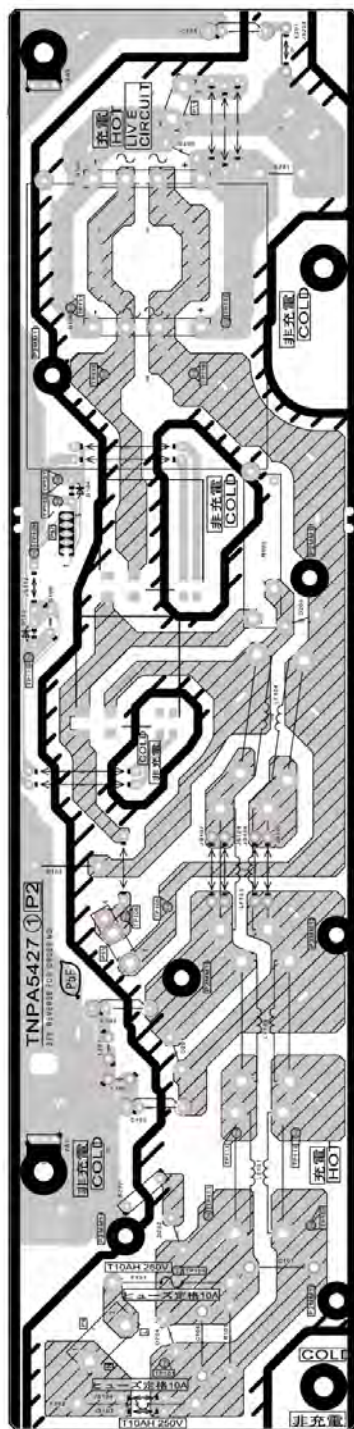
14.1. P Board (Foil side)



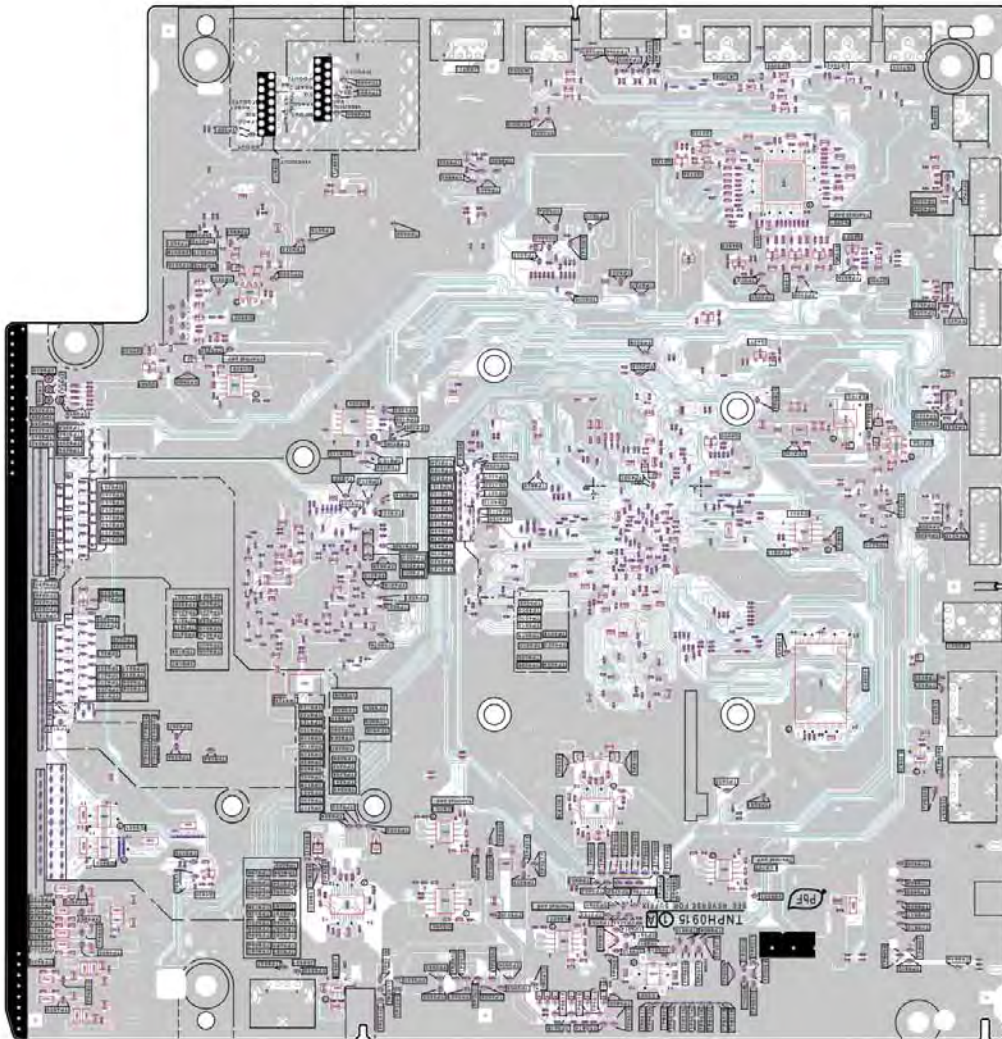
14.2. P Board (Component side)



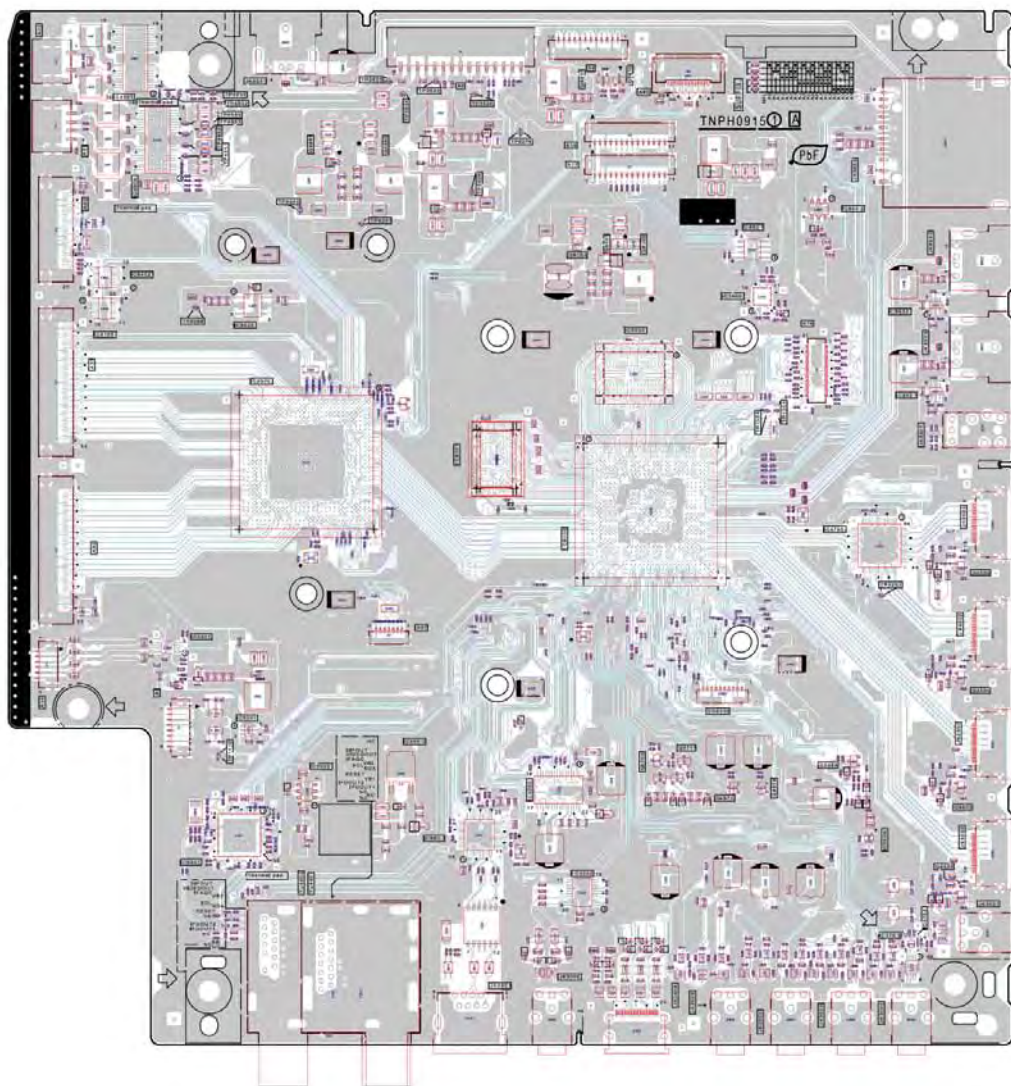
14.3. P2 Board



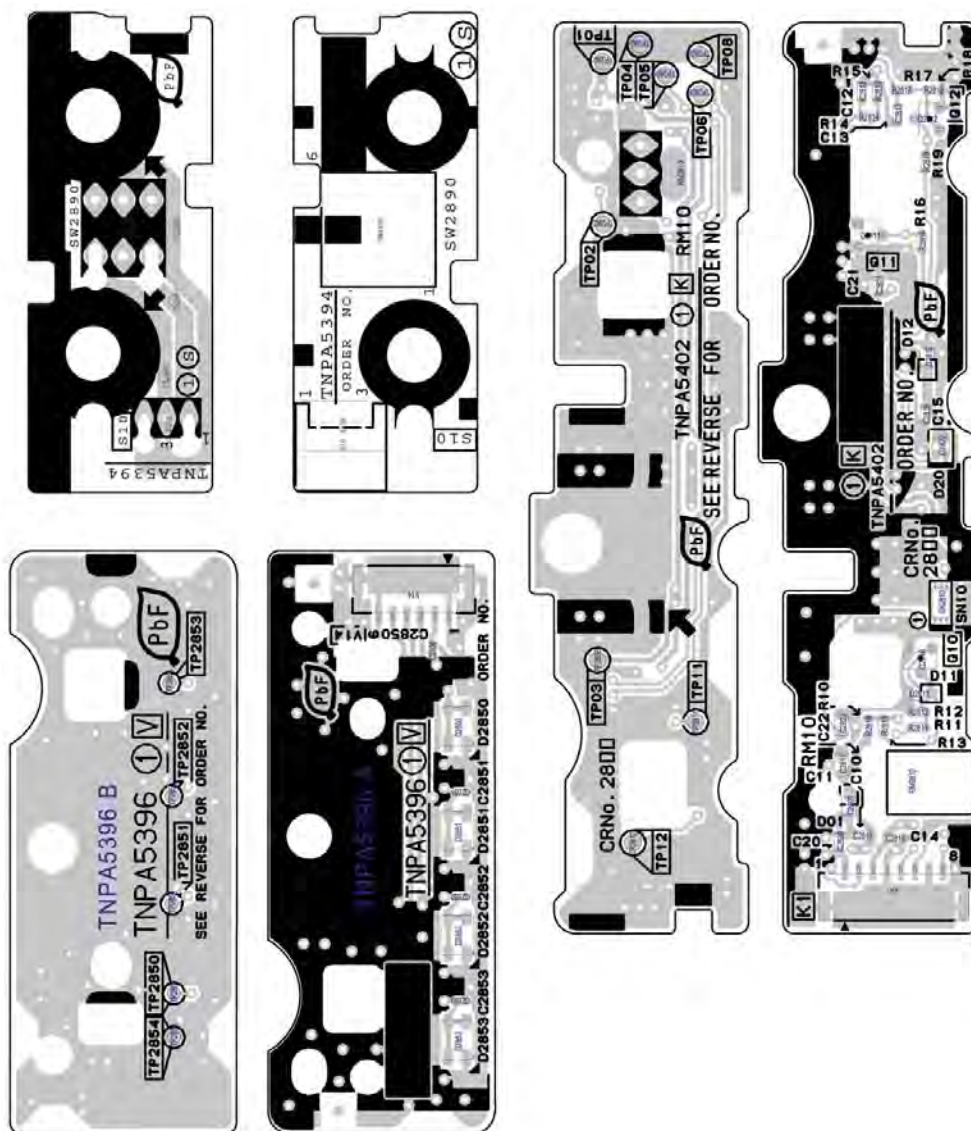
14.4. A Board (Foil side)



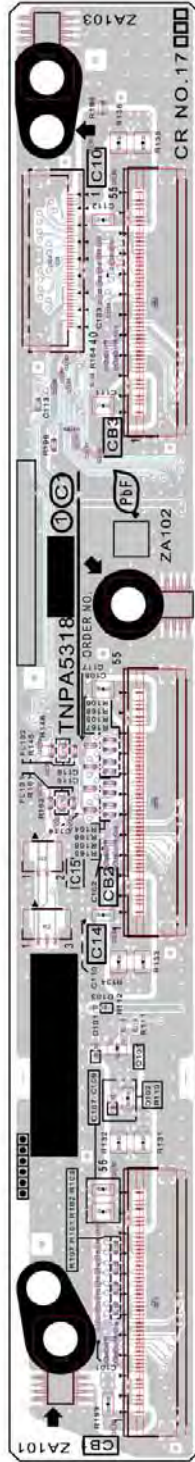
14.5. A Board (Component side)



14.6. K, S and V Boards



14.7. C1 Board



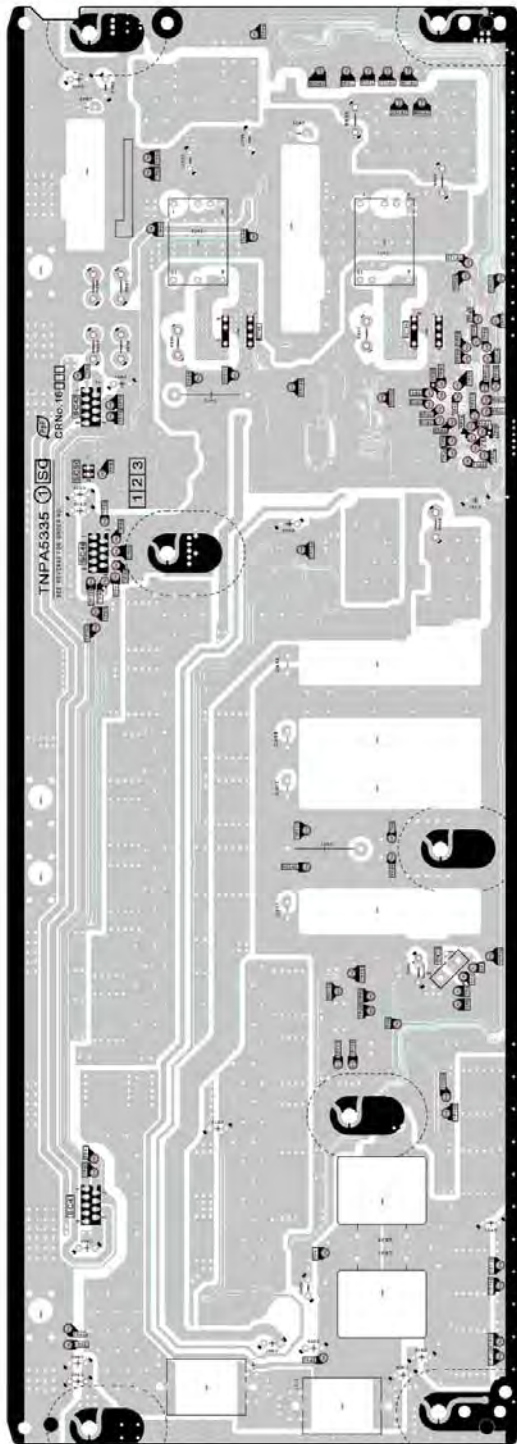
14.8. C2 Board



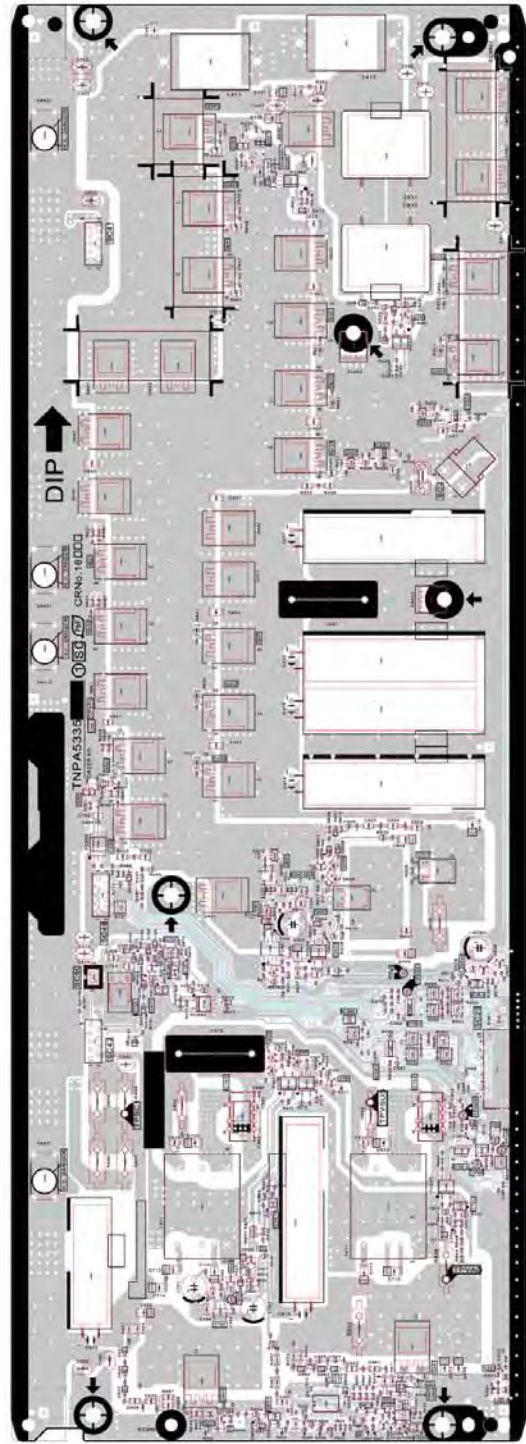
14.9. C3 Board



14.10. SC Board (Foil side)



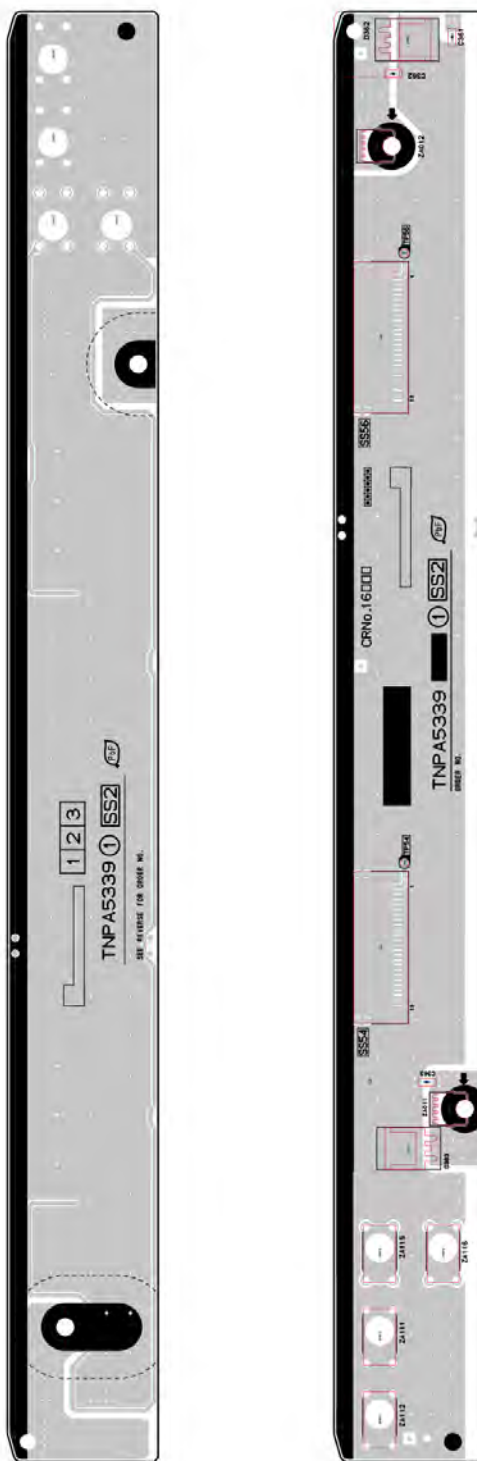
14.11. SC Board (Component side)







14.14. SS2 Board



Note: All parts except parts mentioned [PAVCTH] in the Remarks column are supplied by AVC-CSPC. Parts mentioned [PAVCTH] are supplied by PAVCTH.

RTL (Retention Time Limited)

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

1. Resistor

ERD25TJ104 C 100KOHM, J, 1/4W

Type	Allowance
------	-----------

2. Capacitor

ECKF1H103ZF C 0.01UF, Z, 50V

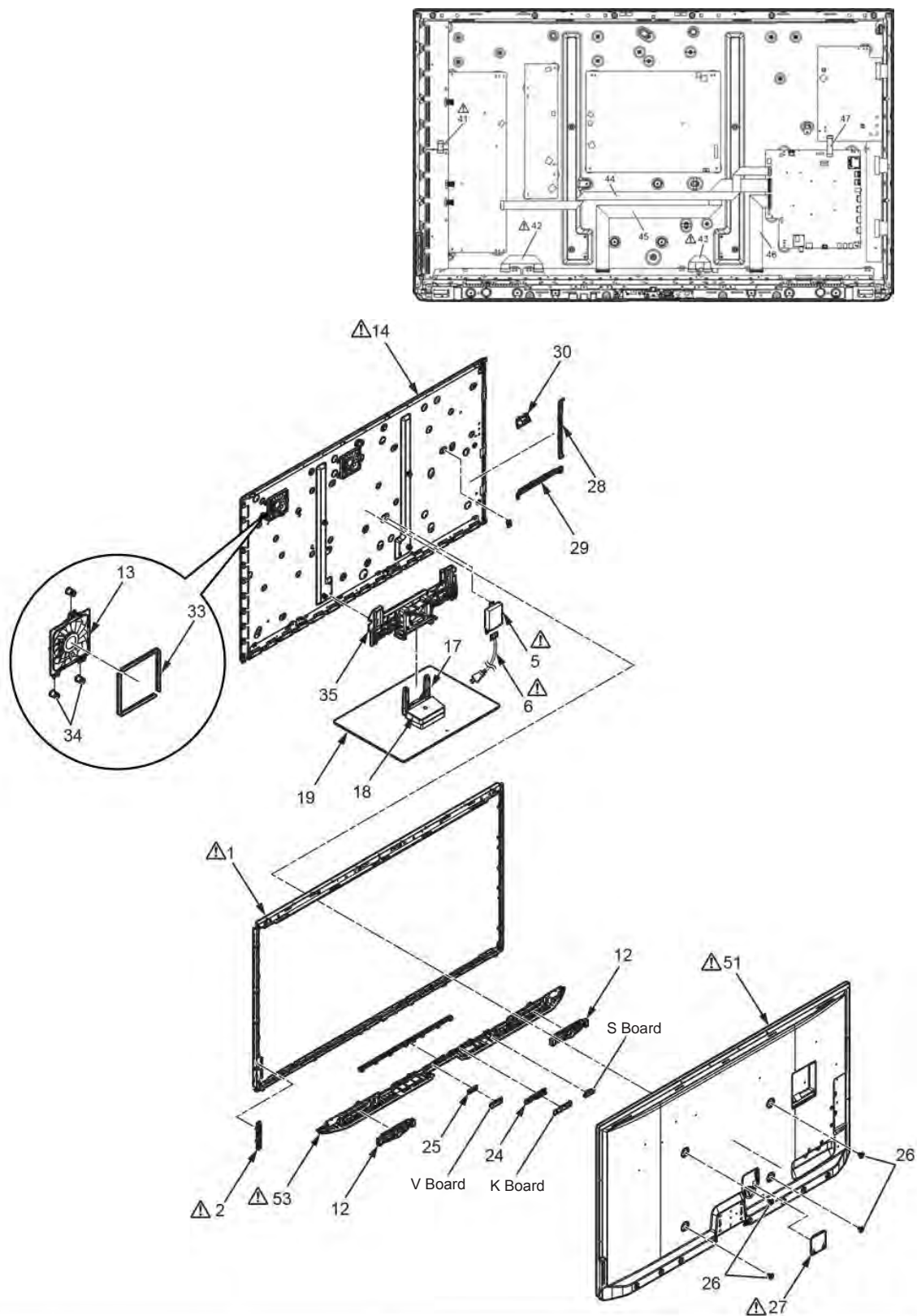
Type	Allowance
------	-----------

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polyprop	G : $\pm 3\text{pF}$
lene	J : $\pm 5\text{pF}$
T : Tantalum	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

15.2. Exploded View and Mechanical Replacement Parts List

15.2.1. Cabinet Exploded View



Stand Assembly screws

(Silver) (4)
61 (Black) (4)

23 (Black) (4)

17 Stand Pole (1)



18 Pole Cover (1)



19 Stand Base (1)



15.2.2. Accessories Exploded View



15.2.3. Mechanical Replacement Parts List

REF.	CÓDIGO	DESCRIÇÃO
1	TTR2B50GT30B-CS	CABINET ASS'Y
2	K0RB00500040.	SIDE UNIT ASS'Y
3	K1HY20YY0007	PC CABLE
4	K1TYYYY00158	TUNER CABLE
5	K2AZYH000024	EMI FILTER
6	K2CK3YY00042	AC CABLE
7	K2KYYYY00136	AV CABLE
8	K2KYYYY00137	COMPONENT CABLE
9	K2KYYYY00138	AUDIO CABLE
11	K7CXGYC00002	OPTICAL CABLE
12	L0AA12C00024	SPEAKER
13	L6FAYYYH0111	FAN
14	MD50F14A9J	PLASMA DISPLAY PANEL
15	TNQ2B5305	REMOTE CONTROL
17	TBL5ZA3065	STAND POLE
18	TBL5ZB3054	STAND POLE COVER
19	TBL5ZX0177.-CS	STAND ASS'Y
23	THEL088N	SCREW M5x25
24	TKK4TC5007	LED PANEL
25	TKK4TC5008	EMITTER PANEL
26	TKKL5493	M8 CAP
27	TKPB58201	AC INLET COVER
28	TKP4TA01301	SIDE TERMINAL COVER
29	TKP4TA01602	BOTTOM TERMINAL COVER
30	TKP4TA01901	USB TERMINAL COVER
33	TMKH292	FAN SPONGE
34	TMMJ117	RUBBER CUSHION
35	TMZ2AX5012	STAND BRACKET
41	TSXM217	FFC (SU11-SD11)
42	TSXM238-1	FFC (C10-C20)
43	TSXM240-1	FFC (C26-C36)
44	TSXM296	FFC (A20-SC20)
45	TSXM297	FFC (A31-C21)
46	TSXM298	FFC (A32-C31)
47	TSXM302	FFC (A40-SS33)
51	TTU2B50GT30B-CS	REAR COVER
53	TXFKY5Z0034.	BOTTOM CABINET ASS'Y
61	XSB4+8FNK	SCREW M4x8

15.3. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description
PCB	⚠ TNPH0915GB	A BOARD
PCB	⚠ TNPA5402AB	K BOARD
PCB	⚠ TNPA5394	S BOARD
PCB	⚠ TNPA5396	V BOARD
PCB	⚠ TNPA5318	C1 BOARD
PCB	⚠ TNPA5319AC	C2 BOARD
PCB	⚠ TNPA5320AC	C3 BOARD
PCB	⚠ N0AE6KL00005	P BOARD
PCB	⚠ N0AE6KL00006	P2 BOARD
PCB	⚠ TNPA5335BG	SC BOARD
PCB	⚠ TNPA5337	SD BOARD
PCB	⚠ TNPA5331AG	SS BOARD
PCB	⚠ TNPA5339AG	SS2 BOARD
PCB	⚠ TNPA5336AG	SU BOARD
A1	K1KY08AA0719	8P CONNECTOR
A6	K1KY15B00006	15P CONNECTOR
A8	K1KY12AA0719	12P CONNECTOR
A11	K1KY04B00013	4P CONNECTOR
A14	K1KY06AA0719	6P CONNECTOR
A17	K1KA14A00248	14P CONNECTOR
A18	K1KA14A00248	14P CONNECTOR
A20	K1MY35BA0345	35P CONNECTOR
A31	K1MY55BA0345	55P CONNECTOR
A32	K1MY55BA0345	55P CONNECTOR
A40	K1MY20BA0345	20P CONNECTOR
C10	K1MY40BA0345	40P CONNECTOR
C14	K1KY03AA0719	3P CONNECTOR
C20	K1MY40BA0345	40P CONNECTOR
C21	K1MY55BA0345	55P CONNECTOR
C26	K1MY30BA0345	30P CONNECTOR
C31	K1MY55BA0345	55P CONNECTOR
C35	K1KY04B00013	4P CONNECTOR
C36	K1MY30BA0345	30P CONNECTOR
C101	⚠ F0CAF334A105	C 0.33UF, 250V
C102	⚠ F1BAF221A088	C 220PF, 250V
C103	⚠ F1BAF221A088	C 220PF, 250V
C104	⚠ F0CAF334A105	C 0.33UF, 250V
C106	F1H1H472A970	C 4700PF, , 50V
C111	F1H1H102A971	C 1000PF, 50V
C112	F1H1H103A970	C 0.01 uF 50 V
C192	⚠ F1BAF471A088	C 470PF, 250V
C201	⚠ F0C2H1050001	C 1.5 UF 50 V
C202	⚠ F0C2H1050001	C 1.5 UF 50 V
C205	F1H1C105A148	C 1UF, 16V
C206	F1H1H104A970	C 0.1UF, , 50V
C207	F1H1H681A971	C 680PF, 50V
C208	F1H1E1050008	C 1U 25V
C209	F1H1H104A970	C 0.1UF, , 50V
C210	F1H1H102A971	C 1000PF, 50V
C211	F1H1E1050008	C 1U 25V
C212	F1H1H102A971	C 1000PF, 50V

Ref. No.	Part No.	Part Name & Description
C213	F1H1H102A971	C 1000PF, 50V
C214	ECA1HHG010	E 1UF, 50V
C215	F1H1H104A970	C 0.1UF, , 50V
C220	F1A3A471A060	C 470PF 1KV
C221	F1A3A471A060	C 470PF 1KV
C222	F2A2W1010010	E 100UF 450V
C223	F2A2W1010010	E 100UF 450V
C224	F2A2W1010010	E 100UF 450V
C225	F1A3A471A060	C 470PF 1KV
C226	F1A3A471A060	C 470PF 1KV
C301	F1H1E473A029	C 047PF 25V
C302	ECA1HHG010	E 1UF, 50V
C303	F1H1H104A970	C 0.1UF, , 50V
C305	F2A1H2R2A122	E 2.2UF, 50V
C306	F1H1H332A970	C 3300PF, 50V
C307	F1K1E225A085	C 2.2UF, 25V
C308	F1H1H681A971	C 680PF, 50V
C309	F1H1H101A971	C 100PF, 50V
C310	F1K2J681A017	C 680PF ,630V
C311	F1K2J1500001	C 15PF, 630V
C312	F1K2J1500001	C 15PF, 630V
C313	F1H1H104A970	C 0.1UF, , 50V
C314	F1A3A471A060	C 470PF 1KV
C315	F1H1C474A143	C 0.47UF, 16V
C316	ECWH8473HA	P 0.033UF 800V
C317	ECWH8473HA	P 0.033UF 800V
C321	F1K2J681A017	C 680PF ,630V
C322	F1K2J1500001	C 15PF, 630V
C323	F1K2J681A017	C 680PF ,630V
C351	F2A2E2910001	E 290UF, 250V
C352	F2A2E2910001	E 290UF, 250V
C353	F2A2E2910001	E 290UF, 250V
C354	F0C2E103A070	C 0.010UF, 250V
C355	F1H1H104A970	C 0.1UF, , 50V
C358	F2A1H101A118	E 100UF, 50V
C359	F1H1H104A970	C 0.1UF, , 50V
C360	F1K1V1050001	C 1UF, 35V
C361	F2A1H1000089	E 10UF, 50V
C362	F2A1J1820001	C 1800UF ,63V
C363	F1K1E225A085	C 2.2UF, 25V
C364	F1H1H104A970	C 0.1UF, , 50V
C365	F1H1H102A971	C 1000PF, 50V
C366	F2A1H4R7A794	E 4.7UF, 50V
C367	F2A1J1820001	C 1800UF ,63V
C368	F2A1J1820001	C 1800UF ,63V
C370	F1K2A474A006	C 0.47UF, 100V
C372	F0C2E104A070	C 0.10UF, 250V
C373	ECKD3A102KBP	C 1000PF, 1KV
C374	F1H1E1050008	C 1U 25V
C376	F2A1J1820001	C 1800UF ,63V
C378	ECKD3A102KBP	C 1000PF, 1KV
C379	ECKD3A102KBP	C 1000PF, 1KV
C401	F2A2W4700020	E 47UF 450V

Ref. No.	Part No.	Part Name & Description
C403	F2A1H2200060	E 22UF, 50V
C404	F1B3D331A011	C 330P 2000V
C405	F1H1H104A970	C 0.1UF, , 50V
C406	F1K1E225A085	C 2.2UF, 25V
C407	F1H1H222A970	C 2200PF, 50V
C408	F1H1H101A971	C 100PF, 50V
C410	F1B3A222A009	C 2200U 1000V
C411	F1K1V1050001	C 1UF, 35V
C452	F2A1E6810033	E 680UF 25V
C453	F2A1E6810033	E 680UF 25V
C454	F2A1E6810033	E 680UF 25V
C455	F2A1E6810033	E 680UF 25V
C456	F1H1H104A970	C 0.1UF, , 50V
C457	F1H1E473A029	C 047PF 25V
C458	F1H1H104A970	C 0.1UF, , 50V
C459	F1H1C105A148	C 1UF, 16V
C460	F1H1C334A143	C 0.3UF. 16V
C461	F1H1H104A970	C 0.1UF, , 50V
C462	F1H1C474A143	C 0.47UF, 16V
C463	F1H1H104A970	C 0.1UF, , 50V
C464	F1H1H102A971	C 1000PF, 50V
C465	F1H1H102A971	C 1000PF, 50V
C467	F1K1V1050001	C 1UF, 35V
C468	F2A1V3310067	C 150UF 35V
C469	F1H1C105A148	C 1UF, 16V
C470	F1H1H472A970	C 4700PF, , 50V
C471	F1H1H222A970	C 2200PF, 50V
C472	F1H1C105A148	C 1UF, 16V
C473	ECKD3A102KBP	C 1000PF, 1KV
C474	F2A1H101A118	E 100UF, 50V
C476	F1K1E684A130	C 0.68UF, 25V
C478	F1H1H104A970	C 0.1UF, , 50V
C479	F1H1H104A970	C 0.1UF, , 50V
C480	F1K1V1050001	C 1UF, 35V
C490	F1K2J102A014	C 1000PF, 630V
C501	F2A1H101A118	E 100UF, 50V
C502	F1H1H104A970	C 0.1UF, , 50V
C505	F2A1H101A118	E 100UF, 50V
C551	F1K1E684A130	C 0.68UF, 25V
C552	F1J1E224A227	C 0.22UF, 25V
C553	F1H1H102A971	C 1000PF, 50V
C554	F2A1H2200060	E 22UF, 50V
C555	F1H1C105A148	C 1UF, 16V
C556	F1H1H104A970	C 0.1UF, , 50V
C557	F1H1C105A148	C 1UF, 16V
C558	F1H1C474A143	C 0.47UF, 16V
C601	F1H1H104A970	C 0.1UF, , 50V
C602	F1J1A4750009	C 4.7UF, 10V
C651	F2A1H2200060	E 22UF, 50V
C652	F1H1H104A970	C 0.1UF, , 50V
C654	F1K1E4750002	C 4.7UF, 25V
C655	F1H1H103A970	C 0.01 uF 50 V
C659	F1H1H102A971	C 1000PF, 50V
C701	F1H1H102A971	C 1000PF, 50V

Ref. No.	Part No.	Part Name & Description
C702	F1H1H102A971	C 1000PF, 50V
C1050	F1J1A106A087	C 10,00 µF 10,0 V
C1052	F1G1A105A047	C 1,00 µF 10,0 V
C1053	F1G1C104A077	C 100,00 nF 16,0 V
C1105	F1G1E1030005	C 10,00 nF 25,0 V
C2810	F1H1H103A219	C 10,00 nF 50,0 V
C2811	F1J1A106A087	C 10,00 µF 10,0 V
C2815	F1H1H103A219	C 10,00 nF 50,0 V
C2821	F1H1C104A041	C 100,00 nF 16,0 V
C2824	F1G1H1020008	C 1000PF 50V
C2850	F1G1A473A032	C 47,00 nF 10,0 V
C2851	F1G1A473A032	C 47,00 nF 10,0 V
C2852	F1G1A473A032	C 47,00 nF 10,0 V
C2853	F1G1A473A032	C 47,00 nF 10,0 V
C3005	F1J1A106A043	C 10,00 µF 10,0 V
C3006	F1J1A106A043	C 10,00 µF 10,0 V
C3007	F1J1A106A043	C 10,00 µF 10,0 V
C3011	F1G1C104A077	C 100,00 nF 16,0 V
C3023	F1J1A106A043	C 10,00 µF 10,0 V
C3026	F1J1A106A043	C 10,00 µF 10,0 V
C3027	F1J1A106A043	C 10,00 µF 10,0 V
C3028	F1J1A106A043	C 10,00 µF 10,0 V
C3033	F1J1A106A043	C 10,00 µF 10,0 V
C3034	F1J1A106A043	C 10,00 µF 10,0 V
C3035	F1G1C104A077	C 100,00 nF 16,0 V
C3036	F1H1A105A025	C 1,00 µF 10,0 V
C3037	F1H1A105A025	C 1,00 µF 10,0 V
C3038	F1H1A105A025	C 1,00 µF 10,0 V
C3039	F1H1A105A025	C 1,00 µF 10,0 V
C3045	F1H1A105A025	C 1,00 µF 10,0 V
C3046	F1H1A105A025	C 1,00 µF 10,0 V
C3047	F1J1A106A043	C 10,00 µF 10,0 V
C3048	F1H1A105A025	C 1,00 µF 10,0 V
C3049	F1H1A105A025	C 1,00 µF 10,0 V
C3054	F1G1C104A077	C 100,00 nF 16,0 V
C3067	F1G1E333A091	C 33,00 nF 25,0 V
C3068	F1G1E333A091	C 33,00 nF 25,0 V
C3078	F1G1H5610004	C 560,00 PF 50,0 V
C3079	F1G1H5610004	C 560,00 PF 50,0 V
C3081	F1G1H5610004	C 560,00 PF 50,0 V
C3082	F1G1H5610004	C 560,00 PF 50,0 V
C3087	F1G1H5610004	C 560,00 PF 50,0 V
C3088	F1G1H5610004	C 560,00 PF 50,0 V
C3130	F1G1H5610004	C 560,00 PF 50,0 V
C3131	F1G1H5610004	C 560,00 PF 50,0 V
C3134	F1G1H5610004	C 560,00 PF 50,0 V
C3135	F1G1H5610004	C 560,00 PF 50,0 V
C3153	F1H1A105A025	C 1,00 µF 10,0 V
C3157	F1G1C104A077	C 100,00 nF 16,0 V
C3301	F1J1A106A043	C 10,00 µF 10,0 V
C3302	F1J1A106A043	C 10,00 µF 10,0 V
C3303	F1J1A106A043	C 10,00 µF 10,0 V
C3750	F1G1C104A077	C 100,00 nF 16,0 V
C4500	F1H1A105A025	C 1,00 µF 10,0 V

Ref. No.	Part No.	Part Name & Description
C4506	F1H1A105A025	C 1,00 µF 10,0 V
C4507	ECJ1VB1A105K	C 1UF, 10V
C4619	F1H1A105A025	C 1,00 µF 10,0 V
C4622	F1H1A105A025	C 1,00 µF 10,0 V
C4625	F1H1A105A025	C 1,00 µF 10,0 V
C4713	F1G1C104A077	C 100,00 nF 16,0 V
C4716	F1G1C104A077	C 100,00 nF 16,0 V
C4722	F1G1C104A077	C 100,00 nF 16,0 V
C4723	F1G1C104A077	C 100,00 nF 16,0 V
C4727	F1J1A106A087	C 10,00 µF 10,0 V
C4802	F1J1A106A043	C 10,00 µF 10,0 V
C4804	F1J1A106A043	C 10,00 µF 10,0 V
C4805	F1G1H220A565	C 22,00 PF 50,0 V
C4806	F1G1C104A077	C 100,00 nF 16,0 V
C4810	F1G1A105A047	C 1,00 µF 10,0 V
C4811	F1G1A105A047	C 1,00 µF 10,0 V
C4812	F1G1C104A077	C 100,00 nF 16,0 V
C4813	F1J1A106A043	C 10,00 µF 10,0 V
C4816	F1G1C104A077	C 100,00 nF 16,0 V
C4817	F1G1C104A077	C 100,00 nF 16,0 V
C4820	F1G1H101A565	C 100,00 PF 50,0 V
C4821	F1G1H101A565	C 100,00 PF 50,0 V
C4824	F1G1H150A565	C 15,00 PF 50,0 V
C4835	F1H1H1500009	C 15,00 PF 50,0 V
C4836	F1J1A106A043	C 10,00 µF 10,0 V
C4837	F1G1H1020008	C 1,00 nF 50,0 V
C4840	F1G1H101A565	C 100,00 PF 50,0 V
C4841	F1G1H101A565	C 100,00 PF 50,0 V
C4907	F1G1C104A077	C 100,00 nF 16,0 V
C4911	F1J1E105A231	C 1,00 µF 25,0 V
C4912	F1K1E106A136	C 10,00 µF 25,0 V
C4914	F1H1H104A970	C 100,00 nF 50,0 V
C4915	F1J1E105A231	C 1,00 µF 25,0 V
C4916	F1H1H104A970	C 100,00 nF 50,0 V
C4918	F1J1E4740001	C 470,00 nF 25,0 V
C4919	F1J1E4740001	C 470,00 nF 25,0 V
C4921	F1J1E105A231	C 1,00 µF 25,0 V
C4922	F1K1E106A136	C 10,00 µF 25,0 V
C4924	F1H1H104A970	C 100,00 nF 50,0 V
C4925	F1J1E105A231	C 1,00 µF 25,0 V
C4926	F1H1H104A970	C 100,00 nF 50,0 V
C4928	F1J1E4740001	C 470,00 nF 25,0 V
C4929	F1J1E4740001	C 470,00 nF 25,0 V
C4930	F1G1C104A077	C 100,00 nF 16,0 V
C4931	F1G1C104A077	C 100,00 nF 16,0 V
C4941	F1J1A106A043	C 10,00 µF 10,0 V
C4942	F1J1A106A043	C 10,00 µF 10,0 V
C4952	F2H1A101A040	E 100,00 µF 10,0 V
C4953	F2H1A101A040	E 100,00 µF 10,0 V
C4954	F1G1E333A091	C 33,00 nF 25,0 V
C4955	F1G1E333A091	C 33,00 nF 25,0 V
C5000	F1G1E1030005	C 10,00 nF 25,0 V
C5002	F1J1E105A231	C 1,00 µF 25,0 V
C5003	F1H1C105A145	C 1.000,00 nF 16,0 V

Ref. No.	Part No.	Part Name & Description
C5011	F1G1C104A077	C 100,00 nF 16,0 V
C5012	EEH1B1C101UP	E 100,00 µF 16,0 V
C5013	F1H1A105A025	C 1,00 µF 10,0 V
C5014	F1H1A105A025	C 1,00 µF 10,0 V
C5015	F1H1A105A025	C 1,00 µF 10,0 V
C5016	F1H1A105A025	C 1,00 µF 10,0 V
C5017	F1H1A105A025	C 1,00 µF 10,0 V
C5018	F1G1C104A077	C 100,00 nF 16,0 V
C5020	F1G1E1030005	C 10,00 nF 25,0 V
C5255	F1H1A105A025	C 1,00 µF 10,0 V
C5256	F1H1A105A025	C 1,00 µF 10,0 V
C5352	F1J1A106A043	C 10,00 µF 10,0 V
C5353	F1G1H103A509	C 10,00 nF 50,0 V
C5356	F1K1E106A136	C 10,00 µF 25,0 V
C5357	F1K1E106A136	C 10,00 µF 25,0 V
C5358	F1J1A106A043	C 10,00 µF 10,0 V
C5359	F1G1H821A459	C 820,00 PF 50,0 V
C5371	F1J1A106A043	C 10,00 µF 10,0 V
C5653	F1G1H1020008	C 1000PF 50V
C5663	F1J1A106A087	C 10UF, 10V
C5664	F1J1A106A087	C 10UF, 10V
C5667	F1G1E1030005	C 0.01UF 25V
C5668	F1G1C223A081	C 22,00 nF 16,0 V
C5669	F1J1A106A043	C 10,00 µF 10,0 V
C5670	F1J1A106A043	C 10,00 µF 10,0 V
C5672	F1G1A333A032	C 33,00 nF 10,0 V
C5673	F1G1H5610004	C 560,00 PF 50,0 V
C5676	F1K1E106A136	C 10,00 µF 25,0 V
C5762	F1K1E105A029	C 1,00 µF 25,0 V
C5900	F1J1A106A043	C 10,00 µF 10,0 V
C5901	F1J1A106A043	C 10,00 µF 10,0 V
C5902	F1J1A106A043	C 10,00 µF 10,0 V
C5905	F1G1C223A081	C 22,00 nF 16,0 V
C5906	F1K1E106A136	C 10,00 µF 25,0 V
C5908	F1G1A333A032	C 33,00 nF 10,0 V
C5909	F1G1H1020008	C 1,00 nF 50,0 V
C5911	F1J1A106A043	C 10,00 µF 10,0 V
C5912	F1G1E472A086	C 4,70 nF 25,0 V
C5913	F1G1A473A032	C 47,00 nF 10,0 V
C5915	F1G1A473A032	C 47,00 nF 10,0 V
C5917	F1G1A473A032	C 47,00 nF 10,0 V
C5919	F1G1A473A032	C 47,00 nF 10,0 V
C8001	F1G1C104A077	C 100,00 nF 16,0 V
C8002	F1J1A106A087	C 10,00 µF 10,0 V
C8003	F1G1C104A077	C 100,00 nF 16,0 V
C8004	F1G1C104A077	C 100,00 nF 16,0 V
C8005	F1G1C104A077	C 100,00 nF 16,0 V
C8006	F1G1C104A077	C 100,00 nF 16,0 V
C8007	F1G1C104A077	C 100,00 nF 16,0 V
C8008	F1G1C104A077	C 100,00 nF 16,0 V
C8009	F1J1A106A087	C 10,00 µF 10,0 V
C8011	F1G1C104A077	C 100,00 nF 16,0 V
C8013	F1G1C104A077	C 100,00 nF 16,0 V
C8014	F1G1C104A077	C 100,00 nF 16,0 V

Ref. No.	Part No.	Part Name & Description
C8015	F1G1C104A077	C 100,00 nF 16,0 V
C8016	F1G1C104A077	C 100,00 nF 16,0 V
C8017	F1J1A106A087	C 10,00 µF 10,0 V
C8018	F1G1C104A077	C 100,00 nF 16,0 V
C8019	F1G1C104A077	C 100,00 nF 16,0 V
C8020	F1G1C104A077	C 100,00 nF 16,0 V
C8021	F1G1C104A077	C 100,00 nF 16,0 V
C8022	F1J1A106A087	C 10,00 µF 10,0 V
C8023	F1J1A106A087	C 10,00 µF 10,0 V
C8024	F1J0G2260001	C 22,00 µF 4,0 V
C8026	F1G1C104A077	C 100,00 nF 16,0 V
C8027	F1G1C104A077	C 100,00 nF 16,0 V
C8028	F1G1C104A077	C 100,00 nF 16,0 V
C8030	F1G1C104A077	C 100,00 nF 16,0 V
C8032	F1G1C104A077	C 100,00 nF 16,0 V
C8036	F1G1C104A077	C 100,00 nF 16,0 V
C8039	F1G1C104A077	C 100,00 nF 16,0 V
C8041	F1G1H1020008	C 1,00 nF 50,0 V
C8042	F1G1C104A077	C 100,00 nF 16,0 V
C8043	F1G1C104A077	C 100,00 nF 16,0 V
C8044	F1G1C104A077	C 100,00 nF 16,0 V
C8045	F1G1C104A077	C 100,00 nF 16,0 V
C8047	F1G1C104A077	C 100,00 nF 16,0 V
C8048	F1G1C104A077	C 100,00 nF 16,0 V
C8049	F1J1A106A087	C 10,00 µF 10,0 V
C8050	F1G1C104A077	C 100,00 nF 16,0 V
C8051	F1J1A106A087	C 10,00 µF 10,0 V
C8052	F1G1C104A077	C 100,00 nF 16,0 V
C8053	F1G1C104A077	C 100,00 nF 16,0 V
C8054	F1G1C104A077	C 100,00 nF 16,0 V
C8055	F1G1C104A077	C 100,00 nF 16,0 V
C8056	F1G1C104A077	C 100,00 nF 16,0 V
C8057	F1G1C104A077	C 100,00 nF 16,0 V
C8100	F1G1E682A123	C 6,80 nF 25,0 V
C8102	F1J1A475A087	C 4,70 µF 10,0 V
C8104	F1H1C105A145	C 1.000,00 nF 16,0 V
C8106	F1G1C223A081	C 22,00 nF 16,0 V
C8108	F1G1C104A077	C 100,00 nF 16,0 V
C8110	F1G1C104A077	C 100,00 nF 16,0 V
C8112	F1K1E106A136	C 10,00 µF 25,0 V
C8114	F1K1E106A136	C 10,00 µF 25,0 V
C8116	F1K1E106A136	C 10,00 µF 25,0 V
C8118	F1K1E106A136	C 10,00 µF 25,0 V
C8120	F1J0G2260001	C 22,00 µF 4,0 V
C8122	F1J0G2260001	C 22,00 µF 4,0 V
C8124	F1J0G2260001	C 22,00 µF 4,0 V
C8126	F1J0G2260001	C 22,00 µF 4,0 V
C8128	F1J0G2260001	C 22,00 µF 4,0 V
C8200	F1G1C104A077	C 100,00 nF 16,0 V
C8201	F1G1C104A077	C 100,00 nF 16,0 V
C8202	F1G1C104A077	C 100,00 nF 16,0 V
C8203	F1G1C104A077	C 100,00 nF 16,0 V
C8204	F1G1C104A077	C 100,00 nF 16,0 V
C8205	F1J1A106A087	C 10,00 µF 10,0 V

Ref. No.	Part No.	Part Name & Description
C8206	F1G1C104A077	C 100,00 nF 16,0 V
C8208	F1G1C104A077	C 100,00 nF 16,0 V
C8210	F1G1C104A077	C 100,00 nF 16,0 V
C8213	F1G1C104A077	C 100,00 nF 16,0 V
C8214	F1J1A106A087	C 10,00 µF 10,0 V
C8216	F1G1C104A077	C 100,00 nF 16,0 V
C8218	F1G1C104A077	C 100,00 nF 16,0 V
C8219	F1G1C104A077	C 100,00 nF 16,0 V
C8222	F1G1C104A077	C 100,00 nF 16,0 V
C8223	F1G1C104A077	C 100,00 nF 16,0 V
C8224	F1G1C104A077	C 100,00 nF 16,0 V
C8225	F1G1C104A077	C 100,00 nF 16,0 V
C8226	F1G1C104A077	C 100,00 nF 16,0 V
C8227	F1G1C104A077	C 100,00 nF 16,0 V
C8300	F1G1H9R0A732	C 9,00 PF 50,0 V
C8301	F1G1H9R0A732	C 9,00 PF 50,0 V
C8302	F1G1C104A077	C 100,00 nF 16,0 V
C8303	F1G1C104A077	C 100,00 nF 16,0 V
C8304	F1G1C104A077	C 100,00 nF 16,0 V
C8305	F1G1A105A047	C 1,00 µF 10,0 V
C8306	F1G1A105A047	C 1,00 µF 10,0 V
C8307	F1G1A105A047	C 1,00 µF 10,0 V
C8308	F1G1A105A047	C 1,00 µF 10,0 V
C8309	F1G1A105A047	C 1,00 µF 10,0 V
C8310	F1G1A105A047	C 1,00 µF 10,0 V
C8311	F1G1A105A047	C 1,00 µF 10,0 V
C8532	EEEHB0J221UP	E 220,00 µF 6,3 V
C8534	F1J1A106A043	C 10,00 µF 10,0 V
C8535	F1G1C104A077	C 100,00 nF 16,0 V
C8536	EEEHB0J221UP	E 220,00 µF 6,3 V
C8538	F1J1A106A043	C 10,00 µF 10,0 V
C8539	F1G1C104A077	C 100,00 nF 16,0 V
C8542	F1J1A106A043	C 10,00 µF 10,0 V
C8543	F1G1C104A077	C 100,00 nF 16,0 V
C8544	F1J1A106A043	C 10,00 µF 10,0 V
C8545	F1G1C104A077	C 100,00 nF 16,0 V
C8603	F1J1A106A087	C 10,00 µF 10,0 V
C8604	F1G1C104A077	C 100,00 nF 16,0 V
C8605	F1G1C104A077	C 100,00 nF 16,0 V
C8607	F1G1H100A565	C 10,00 PF 50,0 V
C8608	F1G1H100A565	C 10,00 PF 50,0 V
C8609	F1G1C104A077	C 100,00 nF 16,0 V
C8611	F1G1C104A077	C 100,00 nF 16,0 V
C8615	F1J1A106A087	C 10,00 µF 10,0 V
C8616	F1J1A106A087	C 10,00 µF 10,0 V
C8617	F1G1C104A077	C 100,00 nF 16,0 V
C8619	F1G1C104A077	C 100,00 nF 16,0 V
C8620	F1G1C104A077	C 100,00 nF 16,0 V
C8627	F1G1C104A077	C 100,00 nF 16,0 V
C8629	F1J0G2260001	C 22,00 µF 4,0 V
C8630	F1J0G2260001	C 22,00 µF 4,0 V
C8644	F1G1C104A077	C 100,00 nF 16,0 V
C8654	F1G1H470A565	C 47,00 PF 50,0 V
C8655	F1G1H470A565	C 47,00 PF 50,0 V

Ref. No.	Part No.	Part Name & Description
C8656	F1G1H470A565	C 47,00 PF 50,0 V
C8657	F1G1H470A565	C 47,00 PF 50,0 V
C8662	F1G1H1020008	C 1,00 nF 50,0 V
C8663	F1G1H1020008	C 1,00 nF 50,0 V
C8664	F1G1H1020008	C 1,00 nF 50,0 V
C8665	F1G1H101A565	C 100,00 PF 50,0 V
C8666	F1G1H101A565	C 100,00 PF 50,0 V
C8676	F1J1A106A087	C 10,00 µF 10,0 V
C8677	F1G1C104A077	C 100,00 nF 16,0 V
C8680	EEEHBJ0221UP	E 220,00 µF 6,3 V
C8681	F1J1A106A087	C 10,00 µF 10,0 V
C8682	F1G1C104A077	C 100,00 nF 16,0 V
C8707	F1G1C223A081	C 22,00 nF 16,0 V
C8708	F1J1A106A043	C 10,00 µF 10,0 V
C8709	F1J1A106A043	C 10,00 µF 10,0 V
C8711	F1G1A333A032	C 33,00 nF 10,0 V
C8712	F1G1H5610004	C 560,00 PF 50,0 V
C8714	F1J1A475A087	C 4,70 µF 10,0 V
C8715	F1J1A106A043	C 10,00 µF 10,0 V
C8716	F1G1C104A077	C 100,00 nF 16,0 V
C8717	F1G1C104A077	C 100,00 nF 16,0 V
C8724	F1K1E106A136	C 10,00 µF 25,0 V
C8763	F1G1C104A077	C 100,00 nF 16,0 V
C8764	F1J1A475A087	C 4,70 µF 10,0 V
C8765	F1J1A475A087	C 4,70 µF 10,0 V
C8773	F1K1E106A136	C 10,00 µF 25,0 V
C8774	F1K1E106A136	C 10,00 µF 25,0 V
C8775	F1G1C223A081	C 22,00 nF 16,0 V
C8776	F1G1E1030005	C 10,00 nF 25,0 V
C8777	F1G1E1030005	C 10,00 nF 25,0 V
C8778	F1G1H222A571	C 2,20 nF 50,0 V
C8779	F1K0J226A049	C 22,00 µF 6,3 V
C8780	F1K0J226A049	C 22,00 µF 6,3 V
C8781	F1G1C104A077	C 100,00 nF 16,0 V
C8900	F1G1C104A077	C 100,00 nF 16,0 V
C8901	F1G1C104A077	C 100,00 nF 16,0 V
C8902	F1G1C104A077	C 100,00 nF 16,0 V
C8903	F1G1C104A077	C 100,00 nF 16,0 V
C8950	F1G1H220A565	C 22,00 PF 50,0 V
C8951	F1G1H220A565	C 22,00 PF 50,0 V
C9052	F1G1C104A077	C 100,00 nF 16,0 V
C9099	F1G1C104A077	C 100,00 nF 16,0 V
C9100	F1J1A106A087	C 10,00 µF 10,0 V
C9101	F1G1E1030005	C 10,00 nF 25,0 V
C9102	F1K1E106A136	C 10,00 µF 25,0 V
C9103	F1G1E1030005	C 10,00 nF 25,0 V
C9300	F1G1C104A077	C 100,00 nF 16,0 V
C9301	F1G1H120A565	C 12,00 PF 50,0 V
C9302	F1G1H180A565	C 18,00 PF 50,0 V
C9308	F1G1C104A077	C 100,00 nF 16,0 V
C9311	F1G1C104A077	C 100,00 nF 16,0 V
C9312	F1J1A106A087	C 10,00 µF 10,0 V
C9313	F1G1C104A077	C 100,00 nF 16,0 V
C9328	F1G1C104A077	C 100,00 nF 16,0 V

Ref. No.	Part No.	Part Name & Description
C9330	F1G1A105A047	C 1,00 µF 10,0 V
C9331	F1G1A105A047	C 1,00 µF 10,0 V
C9332	F1G1A105A047	C 1,00 µF 10,0 V
C9337	F1J1A106A087	C 10,00 µF 10,0 V
C9362	F1G1C104A077	C 100,00 nF 16,0 V
C9366	F1G1A105A047	C 1,00 µF 10,0 V
C9371	F1J1A106A087	C 10,00 µF 10,0 V
C9375	F1G1C104A077	C 100,00 nF 16,0 V
C9380	F1G1C104A077	C 100,00 nF 16,0 V
C9389	F1G1A105A047	C 1,00 µF 10,0 V
C9392	F1J1A106A087	C 10,00 µF 10,0 V
C9400	F1G1C104A077	C 100,00 nF 16,0 V
C9401	F1G1C104A077	C 100,00 nF 16,0 V
C9402	F1G1C104A077	C 100,00 nF 16,0 V
C9404	F1G1C104A077	C 100,00 nF 16,0 V
C9407	F1G1C104A077	C 100,00 nF 16,0 V
C9409	F1J1A106A087	C 10,00 µF 10,0 V
C9411	F1J1A106A087	C 10,00 µF 10,0 V
C9413	F1J1A106A087	C 10,00 µF 10,0 V
C9415	F1J1A106A087	C 10,00 µF 10,0 V
C9589	F1J1A106A087	C 10,00 µF 10,0 V
C9590	F1G1E1030005	C 10,00 nF 25,0 V
C9591	F1G1C104A077	C 100,00 nF 16,0 V
C9820	F1J1A106A087	C 10,00 µF 10,0 V
C9822	F1J1A106A087	C 10,00 µF 10,0 V
C9860	F1G1E472A086	C 4,70 nF 25,0 V
C9861	F1J1A475A087	C 4,70 µF 10,0 V
C9862	F1K1E106A136	C 10,00 µF 25,0 V
C9863	F1K1E106A136	C 10,00 µF 25,0 V
C9864	F1K1E106A136	C 10,00 µF 25,0 V
C9865	F1J1A106A043	C 10,00 µF 10,0 V
C9866	F1J0G2260001	C 22,00 µF 4,0 V
C9867	F1J1A106A043	C 10,00 µF 10,0 V
C9868	F1J0G2260001	C 22,00 µF 4,0 V
C9869	F1J1A106A043	C 10,00 µF 10,0 V
C9871	F1J0G2260001	C 22,00 µF 4,0 V
C9872	F1H1C105A145	C 1.000,00 nF 16,0 V
C9873	F1G1E122A123	C 1,20 nF 25,0 V
C9874	F1G1C104A077	C 100,00 nF 16,0 V
C9875	F1G1C104A077	C 100,00 nF 16,0 V
C9876	F1K1E106A136	C 10,00 µF 25,0 V
C16002	F1L2J562A022	C 5600PF, 630V
C16011	F2A2E191A264	E 190UF, 250V
C16012	F2A2E191A264	E 190UF, 250V
C16013	F2A2E191A264	E 190UF, 250V
C16018	F0C2E115A280	C 1.1 UF 250 V
C16024	F1L2J332A022	C 3300PF, 630V
C16041	ECJ1VB1H392K	C 3900UF, 50V
C16043	ECJ1VB1H392K	C 3900UF, 50V
C16044	F1E2J821A002	C 820PF, 630V
C16051	ECJ1VB1H392K	C 3900UF, 50V
C16053	ECJ1VB1H392K	C 3900UF, 50V
C16061	F1E2J821A002	C 820PF, 630V
C16074	F1E2J221A002	C 220PF, 630V

Ref. No.	Part No.	Part Name & Description
C16101	F1L2J222A022	C 2200PF, 630V
C16104	F1H1E470A130	C 47PF, 25V
C16105	F1H1E470A130	C 47PF, 25V
C16131	F1K1E475A134	C 4.7UF 25V
C16132	F1H1C105A145	C 1 uF 16 V
C16133	F2A1E1010130	E 100UF, 25V
C16135	F1K1E105A029	C 1UF, 25V
C16153	F1K1E475A134	C 4.7UF 25V
C16154	F1K1E475A134	C 4.7UF 25V
C16191	F1K1E475A134	C 4.7UF 25V
C16192	F1H1C105A145	C 1 uF 16 V
C16193	F2A1E4700094	E 47UF, 25V
C16195	F1K1E105A029	C 1UF, 25V
C16201	F0C2E405A279	C 4.0 UF 250 V
C16202	F0C2E405A279	C 4.0 UF 250 V
C16242	F1H1C105A145	C 1 uF 16 V
C16243	ECJ1VB1H103K	C 0.01UF, 50V
C16244	F1J1A106A087	C 10UF, 10V
C16271	F2A1E151B705	E 150UF, 25V
C16280	F1K1E105A029	C 1UF, 25V
C16285	F1H1H104A970	C 0.1UF, , 50V
C16286	F1H1H104A970	C 0.1UF, , 50V
C16287	F1H1H104A970	C 0.1UF, , 50V
C16314	F2A2E191A264	E 190UF, 250V
C16315	ECJ1VB1A105K	C 1UF, 10V
C16316	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16317	ECJ1VB1A105K	C 1UF, 10V
C16318	F1J1H104A717	C 0.1UF, 50V
C16319	F1J1H104A717	C 0.1UF, 50V
C16328	F2A2T131A021	E 130UF, 220V
C16330	F0C2E115A280	C 1.1 UF 250 V
C16361	F1L2J1020001	C 1000PF, 630V
C16401	F1L2J562A022	C 5600PF, 630V
C16411	F2A2E191A264	E 190UF, 250V
C16412	F2A2E191A264	E 190UF, 250V
C16413	F2A2E191A264	E 190UF, 250V
C16414	F2A2E191A264	E 190UF, 250V
C16415	F0C2E115A280	C 1.1 UF 250 V
C16421	F1L2J562A022	C 5600PF, 630V
C16441	ECJ1VB1H392K	C 3900UF, 50V
C16442	ECJ1VB1H392K	C 3900UF, 50V
C16451	ECJ1VB1H392K	C 3900UF, 50V
C16452	ECJ1VB1H392K	C 3900UF, 50V
C16460	F1E2J222A002	C 2200PF, 630V
C16472	ECJ1VB1A105K	C 1UF, 10V
C16490	F1H1C105A145	C 1 uF 16 V
C16502	F1K1E475A134	C 4.7UF 25V
C16503	F2A1E151B705	E 150UF, 25V
C16505	F1K1E105A029	C 1UF, 25V
C16506	F1H1C105A145	C 1 uF 16 V
C16507	F0C2E115A280	C 1.1 UF 250 V
C16531	F1K1E475A134	C 4.7UF 25V
C16534	F1H1C105A145	C 1 uF 16 V
C16551	F1K1E475A134	C 4.7UF 25V

Ref. No.	Part No.	Part Name & Description
C16561	F1J1A106A087	C 10UF, 10V
C16562	F1H1C105A145	C 1 uF 16 V
C16564	F1H1C105A145	C 1 uF 16 V
C16565	ECJ1VB1H103K	C 0.01UF, 50V
C16566	ECJ1VB1H103K	C 0.01UF, 50V
C16567	F1H1C105A145	C 1 uF 16 V
C16584	ECJ1VB1H392K	C 3900UF, 50V
C16593	ECJ1XC1H102J	C 1000PF, J, 50V
C16602	F1H1H2200008	C 22PF, 50V
C16603	F1K2J102A014	C 1000PF, 630V
C16604	F1K2J102A014	C 1000PF, 630V
C16631	F0C2E405A279	C 4.0 UF 250 V
C16632	F0C2E405A279	C 4.0 UF 250 V
C16641	F1K2J222A014	C 2200PF ,630V
C16645	F1K2J102A014	C 1000PF, 630V
C16646	F1K2J102A014	C 1000PF, 630V
C16661	F1K2J102A038	C 1000PF, 630V
C16662	F1K2J102A038	C 1000PF, 630V
C16664	ECJ1XC1H820J	C 82PF, J, 50V
C16665	ECJ1XC1H820J	C 82PF, J, 50V
C16666	ECJ1XC1H820J	C 82PF, J, 50V
C16668	F1H1H821A831	C 820 PF, 50V
C16685	F1H1H104A970	C 0.1UF, , 50V
C16692	F1H1H104A970	C 0.1UF, , 50V
C16723	F1K1E105A029	C 1UF, 25V
C16724	F1K1E475A134	C 4.7UF 25V
C16753	F1K1E475A134	C 4.7UF 25V
C16770	F1H1C105A145	C 1 uF 16 V
C16791	F2A1E151B705	E 150UF, 25V
C16793	F2A1E151B705	E 150UF, 25V
C16794	F1J1A106A087	C 10UF, 10V
C16795	F2A1E151B705	E 150UF, 25V
C16796	F1K1E475A134	C 4.7UF 25V
C16797	F1H1H104A970	C 0.1UF, , 50V
C16813	F2A2T131A021	E 130UF, 220V
C16833	F1K2J222A014	C 2200PF ,630V
C16834	F1K2J222A014	C 2200PF ,630V
C16842	F2A2C131A210	E 130UF, 160V
C16843	ECJ1VB1A105K	C 1UF, 10V
C16844	F1J1H104A717	C 0.1UF, 50V
C16854	F1J1H104A717	C 0.1UF, 50V
C16856	ECJ1VB1A105K	C 1UF, 10V
C16858	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16859	F1J1H104A717	C 0.1UF, 50V
C16860	ECJ1VB1A105K	C 1UF, 10V
C16861	ECJ1XB1C104K	C 0.1UF, Z, 16V
C16862	ECJ1VB1A105K	C 1UF, 10V
C16863	F1J1H104A717	C 0.1UF, 50V
C16865	F1H1C105A145	C 1 uF 16 V
C16891	F1K1E105A029	C 1UF, 25V
C16902	F1E2J472A001	C 4700PF, 630V
C16903	F1E2J152A002	C 1500PF, 630V
C16910	F1E2J821A002	C 820PF, 630V
C16912	F1E2J821A002	C 820PF, 630V

TC-P50GT30A

Ref. No.	Part No.	Part Name & Description
C17101	ECJ1VB1A105K	C 1UF, 10V
C17102	ECJ1VB1A105K	C 1UF, 10V
C17103	ECJ1VB1A105K	C 1UF, 10V
C17109	F1K2A224A033	C 0.22UF, 100V
C17110	F1K2A224A033	C 0.22UF, 100V
C17112	F1K2A224A033	C 0.22UF, 100V
C17114	ECJ1XC1H102J	C 1000PF, J, 50V
C17115	ECJ1XC1H102J	C 1000PF, J, 50V
C17116	ECJ1XC1H102J	C 1000PF, J, 50V
C17117	ECJ1XC1H102J	C 1000PF, J, 50V
C17201	ECJ1VB1A105K	C 1UF, 10V
C17202	ECJ1VB1A105K	C 1UF, 10V
C17203	ECJ1VB1A105K	C 1UF, 10V
C17204	ECJ1VB1A105K	C 1UF, 10V
C17205	ECJ1VB1A105K	C 1UF, 10V
C17206	ECJ1VB1A105K	C 1UF, 10V
C17207	ECJ1XB1C104K	C 0.1UF, Z, 16V
C17208	ECJ1XB1C104K	C 0.1UF, Z, 16V
C17223	F1K2A224A033	C 0.22UF, 100V
C17224	F1K2A224A033	C 0.22UF, 100V
C17228	F1K2A224A033	C 0.22UF, 100V
C17229	F1K2A224A033	C 0.22UF, 100V
C17231	F1K2A224A033	C 0.22UF, 100V
C17233	F1K2A224A033	C 0.22UF, 100V
C17301	ECJ1VB1A105K	C 1UF, 10V
C17302	ECJ1VB1A105K	C 1UF, 10V
C17303	ECJ1VB1A105K	C 1UF, 10V
C17304	ECJ1VB1A105K	C 1UF, 10V
C17305	ECJ1VB1A105K	C 1UF, 10V
C17306	ECJ1VB1A105K	C 1UF, 10V
C17307	ECJ1XB1C104K	C 0.1UF, Z, 16V
C17328	F1K2A224A033	C 0.22UF, 100V
C17330	F1K2A224A033	C 0.22UF, 100V
C17332	F1K2A224A033	C 0.22UF, 100V
C17333	F1K2A224A033	C 0.22UF, 100V
C17336	F1K2A224A033	C 0.22UF, 100V
C17337	F1K2A224A033	C 0.22UF, 100V
CB1	K1MY55B00002	55P CONNECTOR
CB2	K1MY55B00002	55P CONNECTOR
CB3	K1MY55B00002	55P CONNECTOR
CB4	K1MY55B00002	55P CONNECTOR
CB5	K1MY55B00002	55P CONNECTOR
CB6	K1MY55B00002	55P CONNECTOR
CB7	K1MY55B00002	55P CONNECTOR
CB8	K1MY55B00002	55P CONNECTOR
CB9	K1MY55B00002	55P CONNECTOR
CB10	K1MY55B00002	55P CONNECTOR
CB11	K1MY55B00002	55P CONNECTOR
CB12	K1MY55B00002	55P CONNECTOR
CB13	K1MY55B00002	55P CONNECTOR
CB14	K1MY55B00002	55P CONNECTOR
CB15	K1MY55B00002	55P CONNECTOR

Ref. No.	Part No.	Part Name & Description
D101	B0FBCR000025	DIODE
D102	B0EAKT000067	DIODE
D103	B0EAKT000067	DIODE
D104	B0AACK000004	DIODE
D105	B0AACK000004	DIODE
D106	B0FBCR000025	DIODE
D107	B0ACCJ000048	DIODE
D131	B0BA02800001	ZENER
D132	B0BA02800001	ZENER
D133	B0BA01400009	ZENER
D201	B0FABR000018	DIODE
D202	B0FABR000018	DIODE
D203	B0ECKM000053	DIODE
D204	B0ECKM000053	DIODE
D205	D4EAC6210002	VARISTOR
D206	B0ECKM000053	DIODE
D207	B0ECKM000053	DIODE
D209	TVSRM10B	DIODE
D210	B0ECKM000053	DIODE
D211	B0ECKM000053	DIODE
D301	B0HAGV000004	DIODE
D302	B0ECKM000053	DIODE
D303	B0ECKM000053	DIODE
D304	B0ECKM000053	DIODE
D305	B0ECKM000053	DIODE
D331	B0BC01400019	DIODE
D332	B0BC01000014	ZENER
D333	B0BC01000014	ZENER
D351	B0AAQP000002	DIODE
D352	B0AAQM000003	DIODE
D353	B0ECKM000053	DIODE
D354	B0JBSL000049	DIODE
D382	B0BC5R600003	DIODE
D401	B0EAKT000048	DIODE
D402	TVSRM10B	DIODE
D403	TVSRM10B	DIODE
D404	B0ECKP000060	DIODE
D405	B0BA3R100012	ZENER
D406	B0HAGV000004	DIODE
D407	B0ECKP000060	DIODE
D408	B0ECKM000053	DIODE
D409	B0ECKM000053	DIODE
D410	B0ECKM000053	DIODE
D411	B0HAGV000004	DIODE
D412	B0ECKM000053	DIODE
D421	D4EAC6210002	VARISTOR
D422	D4EAC6210002	VARISTOR
D451	B0JBSL000049	DIODE
D452	B0ACCJ000048	DIODE
D453	B0ACCJ000048	DIODE
D454	B0ACCJ000048	DIODE
D455	B0ACCJ000048	DIODE
D456	DB2X41500L	DIODE
D458	B0ACCJ000048	DIODE

Ref. No.	Part No.	Part Name & Description
D459	B0JBSL000049	DIODE
D463	B0ACCJ000048	DIODE
D464	B0ACCJ000048	DIODE
D501	B0ECKP000060	DIODE
D531	B0BA01400009	ZENER
D532	B0BC5R600003	DIODE
D553	B0ACCJ000048	DIODE
D554	B0ACCJ000048	DIODE
D555	B0ACCJ000048	DIODE
D556	B0ACCJ000048	DIODE
D581	B0BC5R600003	DIODE
D583	B0BA3R100012	ZENER
D584	B0BA3R100012	ZENER
D601	B0ACCJ000048	DIODE
D603	B0ECKM000053	DIODE
D631	B0BC6R700006	DIODE
D655	B0ACCJ000048	DIODE
D656	B0ACCJ000048	DIODE
D657	B0ACCJ000048	DIODE
D658	B0ACCJ000048	DIODE
D663	B0ACCJ000048	DIODE
D664	B0ACCJ000048	DIODE
D667	B0ACCJ000048	DIODE
D670	B0ACCJ000048	DIODE
D674	B0ACCJ000048	DIODE
D681	B0BC7R500001	DIODE
D682	B0BC6R100010	DIODE
D683	B0BC01000014	ZENER
D2820	B3AGB0000065	LED SMD
D2850	B3EB00000056	LED SMD
D2851	B3EB00000056	LED SMD
D2852	B3EB00000056	LED SMD
D2853	B3EB00000056	LED SMD
D4500	B0JCCD000020	DIODE
D4510	DZ2J056M0L	ZENER
D4671	DZ2J056M0L	ZENER
D4672	DZ2J056M0L	ZENER
D4673	DZ2J056M0L	ZENER
D5350	B0JCPE000038	DIODE
D5613	DA2J10100L	DIODE
D5614	DA2J10100L	DIODE
D5615	DA2J10100L	DIODE
D5616	B0JCCE000008	DIODE
D5617	B0JCCE000008	DIODE
D5621	B0ACCJ000048	DIODE
D5622	B0ACCJ000048	DIODE
D5624	B0BC010A0007	DIODE
D5625	B0ACCJ000048	DIODE
D5626	DZ2J033M0L	DIODE
D5627	B0JCMD000066	DIODE
D5703	B0ACCJ000048	DIODE
D5704	B0ACCJ000048	DIODE
D5900	B0JCMD000066	DIODE
D8711	B0ADCJ000100	DIODE

Ref. No.	Part No.	Part Name & Description
D8712	DZ2J068M0L	DIODE
D8713	DZ2J068M0L	DIODE
D8716	B0ECKM000048	DIODE
D8719	DZ2J068M0L	DIODE
D8720	B0JCMD000066	DIODE
D8725	B0ADCJ000100	DIODE
D8726	DZ2J068M0L	DIODE
D9806	B0ADCK000001	DIODE
D16001	DA3CF30ACL	ZENER
D16021	DA3CF30ACL	ZENER
D16041	B0FCCN000003	DIODE
D16043	B0FCCN000003	DIODE
D16051	B0FCCN000001	DIODE
D16053	B0FCCN000001	DIODE
D16071	B0ECKP000055	DIODE
D16072	B0FCBN000001	DIODE
D16131	B0ECKP000055	DIODE
D16133	B0ACCJ000048	DIODE
D16134	DZ2J051M0L	ZENER
D16191	B0ECKP000055	DIODE
D16192	B0ACCJ000048	DIODE
D16193	DZ2J051M0L	ZENER
D16243	B0ADCJ000100	DIODE
D16251	DZ2J330M0L	ZENER
D16252	DZ2J330M0L	ZENER
D16253	DZ2J051M0L	ZENER
D16254	B3ABB0000210	LED
D16255	B0ADCJ000100	DIODE
D16282	DZ2J068M0L	ZENER
D16285	B0ADEJ000035	ZENER
D16286	B0ACCJ000048	DIODE
D16315	DZ2J150M0L	ZENER
D16316	B0ECKP000055	DIODE
D16317	B0ECKP000055	DIODE
D16362	DA3CF30ACL	ZENER
D16401	B0FCCN000003	DIODE
D16407	B0JCME000093	DIODE
D16411	B0ADCJ000100	DIODE
D16413	B0ACCJ000048	DIODE
D16421	DA3CF30ACL	ZENER
D16430	B0ECKP000055	DIODE
D16432	B0FCBN000001	DIODE
D16461	B0FCCN000003	DIODE
D16462	B0FCCN000003	DIODE
D16473	B0ACCJ000048	DIODE
D16474	B0ACCJ000048	DIODE
D16475	DZ2J051M0L	ZENER
D16476	B0ACCJ000048	DIODE
D16481	B0FCCN000001	DIODE
D16482	B0FCCN000001	DIODE
D16491	B0ACCJ000048	DIODE
D16492	DZ2J047M0L	ZENER
D16493	B0ADCJ000100	DIODE
D16506	DZ2J051M0L	ZENER

TC-P50GT30A

Ref. No.	Part No.	Part Name & Description
D16534	DZ2J051M0L	ZENER
D16536	B0ECKP000055	DIODE
D16537	B0ADCJ000100	DIODE
D16538	B0ADCJ000100	DIODE
D16581	DZ2J330M0L	ZENER
D16582	DZ2J330M0L	ZENER
D16583	B3ABB0000210	LED
D16602	DZ2J043M0L	ZENER
D16603	B0ACCCJ000048	DIODE
D16604	B0ADCJ000100	DIODE
D16605	B0ACCCJ000048	DIODE
D16607	B0ACCCJ000048	DIODE
D16608	B0ECKP000055	DIODE
D16609	B0ECKP000055	DIODE
D16618	B0ECKP000055	DIODE
D16641	B0FCCN000004	DIODE
D16642	B0FCCN000004	DIODE
D16643	B0FCCN000004	DIODE
D16645	DZ2J150M0L	ZENER
D16646	DZ2J150M0L	ZENER
D16647	DZ2J150M0L	ZENER
D16648	DZ2J043M0L	ZENER
D16651	DZ2J051M0L	ZENER
D16652	B0ECKP000055	DIODE
D16662	DZ2J150M0L	ZENER
D16663	DZ2J150M0L	ZENER
D16664	DZ2J150M0L	ZENER
D16669	B0ACCCJ000048	DIODE
D16673	B0ECHR000004	DIODE
D16674	B0ECHR000004	DIODE
D16685	B0ACCCJ000048	DIODE
D16710	DZ2J15000L	ZENER
D16711	B0ECHR000004	DIODE
D16712	B0ECHR000004	DIODE
D16713	B0ECHS000002	DIODE
D16714	B0ECHS000002	DIODE
D16720	B0ECHR000004	DIODE
D16728	B0ECKP000055	DIODE
D16791	DZ2J240M0L	ZENER
D16792	B0ACCCJ000048	DIODE
D16795	B0ACCCJ000048	DIODE
D16822	B0ACCCJ000048	DIODE
D16823	B0ADCJ000100	DIODE
D16824	B0ACCCJ000048	DIODE
D16825	DZ2J330M0L	ZENER
D16833	B0ECHR000004	DIODE
D17101	B0ACCCJ000048	DIODE
D17102	B0ACCCJ000048	DIODE
D17103	B0JCCD000020	DIODE
D17301	B0ACCCJ000048	DIODE
D17302	B0ACCCJ000048	DIODE
D17303	B0JCCD000020	DIODE
F101	⚠ K5E103BZ0002	FUSE

Ref. No.	Part No.	Part Name & Description
F102	⚠ K5E103BZ0002	FUSE
F103	⚠ K5Y202Y00001	FUSE
F301	⚠ K5Y502Y00001	FUSE
FL1051	J0HAAB000036	LC FILTER
FL1053	J0HAAB000036	LC FILTER
FL1054	J0HAAB000036	LC FILTER
FL1055	J0HAAB000036	LC FILTER
IC201	C0DBBY000025	CI
IC301	C0DABYY00025	CI
IC351	C0DBEYY00078	CI
IC352	C0DAAYY00063	CI
IC401	C0DAAYY00065	CI
IC451	C0DBEYY00078	CI
IC453	C0ABBA000059	CI
IC455	C0DBAYY00922	CI
IC601	C0DBEYY00078	CI
IC651	C0BBBA000024	CI
IC652	C0DBEYY00078	CI
IC3001	C1AB00003385	CI
IC3753	C1ZBZ0004368	CI
IC3900	MFI341S2164	CI
IC4700	C1AB00003469	CI
IC4900	C1AB00003457	CI
IC5000	AN34044A-VF	CI
IC5251	C0CBCBC00227	CI
IC5350	C0DBAYY01058	CI
IC5606	C0EBY0000580	CI
IC5607	C0DBAYY00931	CI
IC5900	C0DBAYY00931	CI
IC5901	C1ZBZ0004339	CI
IC8000	MN2WS0200LF	CI
IC8100	C0DBAYY00715	CI
IC8200	C3ABUY000009	CI
IC8201	C3ABUY000006	CI
IC8531	C0DBZYY00368	CI
IC8532	C0DBZYY00450	CI
IC8601	C1CB00003491	CI
IC8607	C0DBZYY00368	CI
IC8701	C0DBAYY00931	CI
IC8702	C0DBAFG00029	CI
IC8706	C0DBAGF00030	CI
IC8707	C0DBAYY00915	CI
IC8900	C3FBUY000008	CI
IC8901	C3EBGC000056	CI
IC8902	C3EBHC000035	CI
IC9300	C1AB00003461	CI
IC9304	C3FBNY000274	CI
IC9400	C0JBAU000089	CI
IC9401	C0JBAU000089	CI
IC9402	C0JBAU000089	CI
IC9501	C0JBAU000089	CI
IC9820	C0CBCAG00046	CI

Ref. No.	Part No.	Part Name & Description
IC9860	C0DBAYY00715	CI
IC16131	C0ZBZ0001822	CI
IC16132	C0ZBZ0001822	CI
IC16151	C0ZBZ0001822	CI
IC16152	C0ZBZ0001822	CI
IC16191	C0ZBZ0001822	CI
IC16241	C0JBAU000088	CI
IC16243	C0JBAB000715	CI
IC16244	C0JBAA000558	CI
IC16304	MIP3910MSSCF	CI
IC16312	C0DBZMC00006	CI
IC16471	C0DBEYY00114	CI
IC16490	C0DBZMC00006	CI
IC16491	C0BBAA000008	CI
IC16501	C0ZBZ0001822	CI
IC16502	C0ZBZ0001822	CI
IC16521	C0ZBZ0001822	CI
IC16522	C0ZBZ0001822	CI
IC16561	C0JBAU000088	CI
IC16562	C0JBAU000088	CI
IC16563	C0JBAB000996	CI
IC16564	C0JBAE000321	CI
IC16565	C0JBAE000321	CI
IC16684	C0ZBZ0001822	CI
IC16691	C0JBAC000509	CI
IC16724	C0CBADE00049	CI
IC16784	MIP3910MSSCF	CI
IC16785	C0DBZYY00352	CI
IC16786	MIP3910MSSCF	CI
IC16787	C0DBZYY00352	CI
IC16792	C0BBAA000008	CI
IC16793	C0DBZMC00006	CI
IC16795	C0CBALC00012	CI
IC16921	C1ZBZ0004292	CI
IC17201	C0JBAU000088	CI
IC17202	C0JBAU000088	CI
IC17301	C0JBAU000088	CI
JA1	D0GFR00J0005	M OHM,J,1/3W
JA2	D0GFR00J0005	M OHM,J,1/3W
JA3	D0GFR00J0005	M OHM,J,1/3W
JA4	D0GFR00J0005	M OHM,J,1/3W
JA5	D0GFR00J0005	M OHM,J,1/3W
JA6	D0GFR00J0005	M OHM,J,1/3W
JA7	D0GFR00J0005	M OHM,J,1/3W
JA8	D0GFR00J0005	M OHM,J,1/3W
JA10	D0GFR00J0005	M OHM,J,1/3W
JA11	D0GFR00J0005	M OHM,J,1/3W
JA14	D0GFR00J0005	M OHM,J,1/3W
JA15	D0GFR00J0005	M OHM,J,1/3W
JA16	D0GFR00J0005	M OHM,J,1/3W
JA18	D0GFR00J0005	M OHM,J,1/3W
JA19	D0GFR00J0005	M OHM,J,1/3W
JA22	D0GFR00J0005	M OHM,J,1/3W

Ref. No.	Part No.	Part Name & Description
JA23	D0GFR00J0005	M OHM,J,1/3W
JA24	D0GFR00J0005	M OHM,J,1/3W
JA26	D0GFR00J0005	M OHM,J,1/3W
JA27	D0GFR00J0005	M OHM,J,1/3W
JA28	D0GFR00J0005	M OHM,J,1/3W
JA29	D0GFR00J0005	M OHM,J,1/3W
JA30	D0GFR00J0005	M OHM,J,1/3W
JA32	D0GFR00J0005	M OHM,J,1/3W
JA34	D0GFR00J0005	M OHM,J,1/3W
JA36	D0GFR00J0005	M OHM,J,1/3W
JA37	D0GFR00J0005	M OHM,J,1/3W
JA38	D0GFR00J0005	M OHM,J,1/3W
JA39	D0GFR00J0005	M OHM,J,1/3W
JA40	D0GFR00J0005	M OHM,J,1/3W
JA42	D0GFR00J0005	M OHM,J,1/3W
JA43	D0GFR00J0005	M OHM,J,1/3W
JA45	D0GFR00J0005	M OHM,J,1/3W
JA46	D0GFR00J0005	M OHM,J,1/3W
JA48	D0GFR00J0005	M OHM,J,1/3W
JA49	D0GFR00J0005	M OHM,J,1/3W
JK3000	K2HC104E0020	JACK HEAD PHONE E AV
JK3001	K2HC104E0021	JACK DO HEAD PHONE
JK3002	K2HC104E0020	JACK HEAD PHONE E AV
JK3003	K2HC104E0020	JACK HEAD PHONE E AV
JK3004	K1FY120E0001	CONNECTOR 20 VIAS SMD
JK3005	K2HC104E0020	JACK HEAD PHONE E AV
JK3006	K2HC104E0020	JACK HEAD PHONE E AV
JK3007	B3MBZ0000012	CONNECTOR OPTICO PTH
JK4600	K1FY119E0030	CONNECTOR 19 VIAS SMD
JK4601	K1FY119E0030	CONNECTOR 19 VIAS SMD
JK4602	K1FY119E0030	CONNECTOR 19 VIAS SMD
JK4603	K1FY119E0030	CONNECTOR 19 VIAS SMD
JK8301	K2LC108E0014	CONNECTOR 8 VIAS DE REDE PTH
JK8531	K1FY104B0065	CONNECTOR USB PTH
JK8532	K1FY104B0065	CONNECTOR USB PTH
JK8533	K1FY104B0065	CONNECTOR USB PTH
JK8650	K1NA09E00121	CONNECTOR SMD 9 VIAS
JS1050	D0GAR00J0005	0,00 Ohm 1/16 W
JS1051	D0GAR00J0005	0,00 Ohm 1/16 W
JS1052	D0GAR00J0005	0,00 Ohm 1/16 W
JS1053	D0GDR00J0004	0,00 Ohm 1/8 W
JS1054	D0GAR00J0005	0,00 Ohm 1/16 W
K1	K1KA08B00270	8P CONNECTOR
L192	EXCELSA35T	BEAD CHOKE
L202	EXCELD35V	BEAD CHOKE
L203	EXCELD35V	BEAD CHOKE
L354	G0C121Z00011	PEAKING COIL
L401	G0A100ZA0023	CHOKE COIL
L402	EXCELSA35T	BEAD CHOKE
L451	G0A100ZA0023	CHOKE COIL

Ref. No.	Part No.	Part Name & Description
L3007	J0JYC0000331	CHIP INDUCTOR
L3008	J0JYC0000331	CHIP INDUCTOR
L4500	J0JHC0000117	CHIP INDUCTOR
L4501	J0JYC0000068	CHIP INDUCTOR
L4502	J0JYC0000068	CHIP INDUCTOR
L4503	J0JYC0000068	CHIP INDUCTOR
L4504	J0JHC0000117	CHIP INDUCTOR
L4505	J0JYC0000068	CHIP INDUCTOR
L4506	J0JYC0000068	CHIP INDUCTOR
L4507	J0JYC0000068	CHIP INDUCTOR
L4508	J0JHC0000117	CHIP INDUCTOR
L4509	J0JYC0000068	CHIP INDUCTOR
L4510	J0JYC0000068	CHIP INDUCTOR
L4511	J0JYC0000068	CHIP INDUCTOR
L4512	J0JYC0000068	CHIP INDUCTOR
L4513	J0JYC0000068	CHIP INDUCTOR
L4514	J0JHC0000117	CHIP INDUCTOR
L4515	J0JYC0000068	CHIP INDUCTOR
L4801	J0JGC0000020	EMI FILTER
L4802	J0JGC0000020	EMI FILTER
L4803	G1CR39J00009	INDUCTION COIL 0,390 µH
L4804	G1CR39J00009	INDUCTION COIL 0,390 µH
L4805	J0JGC0000020	EMI FILTER
L4810	J0JCC0000278	CHIP INDUCTOR
L4900	G1C150MA0426	INDUCTION COIL 15,000 µH
L4901	G1C150MA0426	INDUCTION COIL 15,000 µH
L4902	G1C150MA0426	INDUCTION COIL 15,000 µH
L4903	G1C150MA0426	INDUCTION COIL 15,000 µH
L5350	G1C4R7MA0445	INDUCTION COIL 4,700 µH
L5609	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L5900	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8001	J0JCC0000287	EMI FILTER
L8002	J0JHC0000045	EMI FILTER
L8003	J0JHC0000045	EMI FILTER
L8004	J0JHC0000045	EMI FILTER
L8005	J0JKC0000021	EMI FILTER
L8006	J0JCC0000287	EMI FILTER
L8007	J0JCC0000287	EMI FILTER
L8100	G1C4R7MA0416	INDUCTION COIL 4,700 µH
L8102	G1C3R3MA0460	INDUCTION COIL 3,300 µH
L8531	J0JHC0000045	EMI FILTER
L8532	J0JHC0000045	EMI FILTER
L8533	J0JHC0000045	EMI FILTER
L8600	J0JHC0000045	EMI FILTER
L8609	J0JHC0000045	EMI FILTER
L8611	J0ZZB0000083	FILTER
L8612	J0ZZB0000083	FILTER
L8613	J0ZZB0000083	FILTER
L8701	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8702	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L8751	J0JHC0000045	EMI FILTER
L8752	J0JHC0000045	EMI FILTER
L9303	J0JHC0000117	CHIP INDUCTOR
L9860	G1C2R2MA0449	INDUCTION COIL 2,200 µH

Ref. No.	Part No.	Part Name & Description
L9861	G1C6R8MA0445	INDUCTION COIL 6,800 µH
L16001	G0CR16KA0214	PEAKING COIL
L16002	G0CR16KA0214	PEAKING COIL
L16303	G0C471MA0049	PEAKING COIL
L16411	G0CR16KA0214	PEAKING COIL
L16412	G0CR16KA0214	PEAKING COIL
LF101	⚠ G0B382KA0010	CHOKE COIL
LF102	⚠ G0B382KA0010	CHOKE COIL
LF103	⚠ G0B382KA0010	CHOKE COIL
LF104	⚠ G0B382KA0010	CHOKE COIL
P2	K1KY02B00012	2P CONNECTOR
P6	K1KA15BA0311	15P CONNECTOR
P9	K1KA02B00295	2P CONNECTOR
P11	K1KY03B00006	3P CONNECTOR
P25	K1KA10BA0237	10P CONNECTOR
P34	K1KA03BA0237	3P CONNECTOR
P35	K1KA04BA0237	4P CONNECTOR
P51	K1KY02B00012	2P CONNECTOR
P52	K1KY02B00012	2P CONNECTOR
P55	K1KY03B00006	3P CONNECTOR
P56	K1KY03B00006	3P CONNECTOR
P57	K1KA05B00211	5P CONNECTOR
P58	K1KA05B00211	5P CONNECTOR
P1MM10	TMM27463	CLAMPER
P1MM11	TMM27463	CLAMPER
P1MM12	TMM27463	CLAMPER
P1MM13	TMM27463	CLAMPER
P1MM14	TMM27463	CLAMPER
P1MM15	TMM27463	CLAMPER
P1MM17	TMM27463	CLAMPER
P1MM18	TMM27463	CLAMPER
P2MM10	TMM27463	CLAMPER
P2MM11	TMM27463	CLAMPER
P2MM12	TMM27463	CLAMPER
P2MM13	TMM27463	CLAMPER
P2MM14	TMM27463	CLAMPER
P2MM15	TMM27463	CLAMPER
P2MM16	TMM27463	CLAMPER
PA451	K5H502YA0063	FUSE
PA501	K5H502YA0063	FUSE
PA5440	K5H5022A0031	FUSE SMD 32,0 V 5,0 A
PA5601	K5H5022A0031	FUSE SMD 32,0 V 5,0 A
PA5900	K5H1022A0031	FUSE SMD 32,0 V 1,0 A
PC101	⚠ B3PAA0000363	PHOTO COUPLER
PC302	⚠ B3PAA0000363	PHOTO COUPLER
PC402	⚠ B3PAA0000363	PHOTO COUPLER
PC501	⚠ B3PAA0000363	PHOTO COUPLER
PC602	⚠ B3PAA0000363	PHOTO COUPLER

Ref. No.	Part No.	Part Name & Description
PC603	B3PAA0000363	PHOTO COUPLER
PC16131	B3PBE0000058	PHOTO COUPLER
PC16191	B3PBE0000060	PHOTO COUPLER
PC16251	B3PBA0000498	PHOTO COUPLER
PC16301	B3PBA0000498	PHOTO COUPLER
PC16461	B3PBE0000058	PHOTO COUPLER
PC16462	B3PBE0000060	PHOTO COUPLER
PC16480	B3PBA0000498	PHOTO COUPLER
PC16581	B3PBA0000498	PHOTO COUPLER
PC16603	B3PBA0000498	PHOTO COUPLER
PC16685	B3PBA0000496	PHOTO COUPLER
PC16723	B3PBA0000498	PHOTO COUPLER
PC16896	B3PBA0000498	PHOTO COUPLER
PC16897	B3PBA0000498	PHOTO COUPLER
Q101	B1CFNG000010	FET
Q102	DSA200100L	TRANSISTOR
Q201	B1CERR000060	FET
Q202	B1CERR000060	FET
Q203	B1ADM000001	TRANSISTOR
Q204	B1ADM000001	TRANSISTOR
Q301	B1CERR000056	FET
Q302	B1CERR000056	FET
Q354	DSC200100L	TRANSISTOR
Q374	B1DHBC000008	FET
Q375	B1CERM000033	FET
Q376	B1ADM000001	TRANSISTOR
Q377	B1ABMD000022	TRANSISTOR
Q451	B1CHRD000046	FET
Q452	B1CBGD000001	FET
Q453	B1CBGD000001	FET
Q454	B1CHRD000046	FET
Q455	B1CBGD000001	FET
Q456	B1CBGD000001	FET
Q457	B1DHBC000008	FET
Q458	B1CBGD000001	FET
Q459	B1CBGD000001	FET
Q460	B1CBGD000001	FET
Q462	B1CBGD000001	FET
Q463	B1CBGD000001	FET
Q501	B1AAPG000009	TRANSISTOR
Q502	DSC200100L	TRANSISTOR
Q503	B1DHBC000008	FET
Q551	B1CBGD000001	FET
Q552	DSC200100L	TRANSISTOR
Q553	DSC200100L	TRANSISTOR
Q554	DSC200100L	TRANSISTOR
Q555	DSC200100L	TRANSISTOR
Q556	B1CBGD000001	FET
Q557	B1DHBC000008	FET
Q558	DSC200100L	TRANSISTOR
Q559	DSA200100L	TRANSISTOR
Q560	B1DHBC000008	FET
Q561	DSC200100L	TRANSISTOR

Ref. No.	Part No.	Part Name & Description
Q562	DSC200100L	TRANSISTOR
Q563	DSC200100L	TRANSISTOR
Q564	B1DHBC000008	FET
Q565	B1DHBC000008	FET
Q601	DSA200100L	TRANSISTOR
Q651	B1DHBC000008	FET
Q652	B1CBGD000001	FET
Q653	B1DHBC000008	FET
Q656	B1DHBC000008	FET
Q658	B1DHBC000008	FET
Q701	DSC200100L	TRANSISTOR
Q702	DSC200100L	TRANSISTOR
Q2810	B1ABCE000015	TRANSISTOR
Q2811	B1ABCE000015	TRANSISTOR
Q2812	B1ABCE000015	TRANSISTOR
Q3133	B1ABCE000015	TRANSISTOR
Q3134	B1ABCE000015	TRANSISTOR
Q3135	DSA200100L	TRANSISTOR
Q4500	B1HFCFA00026	TRANSISTOR
Q4501	DSA200100L	TRANSISTOR
Q4502	B1ABCF000231	TRANSISTOR
Q4503	B1ABCF000231	TRANSISTOR
Q4504	B1ABCF000231	TRANSISTOR
Q4505	B1ABCF000231	TRANSISTOR
Q4930	DSA200100L	TRANSISTOR
Q4971	B1ABBE000003	TRANSISTOR
Q4972	DSA200100L	TRANSISTOR
Q4973	B1ABBE000003	TRANSISTOR
Q4974	B1ABBE000003	TRANSISTOR
Q5684	B1ADCE000022	TRANSISTOR
Q8100	B1CFRD000077	TRANSISTOR
Q8101	B1CFRD000077	TRANSISTOR
Q8102	B1MBEDA00027	TRANSISTOR
Q8709	DSA200100L	TRANSISTOR
Q8711	DSC2001S0L	TRANSISTOR
Q8900	DSA200100L	TRANSISTOR
Q9860	B1MBEDA00027	TRANSISTOR
Q9861	B1MBEDA00027	TRANSISTOR
Q16001	B1JBDN000004	TRANSISTOR
Q16002	B1JBDN000004	TRANSISTOR
Q16003	B1JBDN000004	TRANSISTOR
Q16021	B1JBEN000004	TRANSISTOR
Q16022	B1JBEN000004	TRANSISTOR
Q16023	B1JBEN000004	TRANSISTOR
Q16041	DG3C3020CL	TRANSISTOR
Q16043	DG3C3020CL	TRANSISTOR
Q16051	DG3C3020CL	TRANSISTOR
Q16053	DG3C3020CL	TRANSISTOR
Q16055	B1HFPFA00001	TRANSISTOR
Q16056	B1HFPFA00001	TRANSISTOR
Q16101	B1CFRM000015	FET
Q16102	B1CFRM000023	FET
Q16141	B1HFPFA00001	TRANSISTOR
Q16161	B1HFPFA00001	TRANSISTOR

TC-P50GT30A

Ref. No.	Part No.	Part Name & Description
Q16251	B1ABCF000231	TRANSISTOR
Q16280	B1ABCE000015	TRANSISTOR
Q16401	B1JBDN000004	TRANSISTOR
Q16402	B1JBDN000004	TRANSISTOR
Q16403	B1JBDN000004	TRANSISTOR
Q16421	B1JBEN000004	TRANSISTOR
Q16422	B1JBEN000004	TRANSISTOR
Q16423	B1JBEN000004	TRANSISTOR
Q16441	DG3C3020CL	TRANSISTOR
Q16442	DG3C3020CL	TRANSISTOR
Q16451	DG3C3020CL	TRANSISTOR
Q16452	DG3C3020CL	TRANSISTOR
Q16471	B1ABCE000015	TRANSISTOR
Q16501	B1HFPFA00001	TRANSISTOR
Q16521	B1HFPFA00001	TRANSISTOR
Q16531	B1HFPFA00001	TRANSISTOR
Q16538	B1CBGD000001	FET
Q16551	B1HFPFA00001	TRANSISTOR
Q16581	B1ABCF000231	TRANSISTOR
Q16600	B1CFRM000020	FET
Q16601	B1CFRQ000022	FET
Q16602	DSA2001S0L	TRANSISTOR
Q16606	DSC2001S0L	TRANSISTOR
Q16607	B1CBGD000001	FET
Q16621	B1JBDN000004	TRANSISTOR
Q16622	B1JBDN000004	TRANSISTOR
Q16623	B1JBDN000004	TRANSISTOR
Q16646	DSA2001S0L	TRANSISTOR
Q16647	B1CBGD000001	FET
Q16660	B1CFRQ000021	FET
Q16661	B1JBER000002	TRANSISTOR
Q16762	B1HFPFA00001	TRANSISTOR
Q16815	B1ABCN000007	TRANSISTOR
Q16817	DSC2001Q0L	TRANSISTOR
Q16818	B1CBGD000001	FET
Q16819	B1CBGD000001	FET
Q16820	B1CBGD000001	FET
Q16891	DSA2001S0L	TRANSISTOR
Q16892	DSC2001Q0L	TRANSISTOR
Q16921	B1CBGD000001	FET
Q16922	B1CBGD000001	FET
Q16931	B1ABCN000007	TRANSISTOR
Q17101	B1ABCN000007	TRANSISTOR
Q17301	B1ABCN000007	TRANSISTOR
R1	D1BB1741A055	M 1,74 kOhm 1/10W
R2	D1BB7151A055	M 7,15 kOhm 1/10W
R3	D1BB6651A055	M 6,65 kOhm 1/10W
R4	D1BB1432A055	M 14,30 kOhm 1/10W
R101	 D0B1185JA033	M 1.8 MOHM J 1 W
R102	 D0B1825JA033	M 8.2 MOHM J 1 W
R103	 D1F5150Y0001	F 150 OHM, 5W
R104	D0D54R7J0002	M 4.7 OHM,J,2W
R105	D1BD2003A066	M 200KOHM.F.1/8W

Ref. No.	Part No.	Part Name & Description
R106	D1BD2003A066	M 200KOHM.F.1/8W
R107	D1BD2003A066	M 200KOHM.F.1/8W
R108	D1BD2003A066	M 200KOHM.F.1/8W
R109	D1BD2003A066	M 200KOHM.F.1/8W
R110	D1BD1003A066	M 100KOHM,J.1/8 W
R111	D1BD2003A066	M 200KOHM.F.1/8W
R113	D0D5180J0002	M 18 OHM,J,2W
R114	D1BD1003A066	M 100KOHM,J.1/8 W
R115	D1BD1003A066	M 100KOHM,J.1/8 W
R116	D1BB2202A073	M 22KOHM,J.1/10W
R117	D1BB2202A073	M 22KOHM,J.1/10W
R118	D1BB2203A073	M 220KOHM,J.1/10W
R121	D0GBR00J0004	M 0 OHM J 1/10W
R201	D1BD3303A066	M 330KOHM.F.1/8W
R202	D1BD3303A066	M 330KOHM.F.1/8W
R203	D1BD3303A066	M 330KOHM.F.1/8W
R204	D1BD3303A066	M 330KOHM.F.1/8W
R205	D1BD3303A066	M 330KOHM.F.1/8W
R206	D1BD3003A066	M 300KOHM.F.1/8W
R207	D1BB2002A073	M 20KOHM,J.1/10W
R209	D1BD7503A066	M 750KOHM,F.1/8W
R210	D1BB1002A073	M 10KOHM,J.1/10W
R211	D1BD2202A066	M 22KOHM,F.1/8W
R212	D1BB1802A073	M 18KOHM, J.1/10W
R213	D1BB1502A073	M 15KOHM, J.1/10W
R214	D1BB1802A073	M 18KOHM, J.1/10W
R215	D1BB1502A073	M 15KOHM, J.1/10W
R217	D1BD51R0A066	M0.51KOHM,F.1/8W
R219	D0GDR00J0004	M 0 OHM, 1/8W
R220	D1DE100JA019	M 100 OHM, 1/4W
R221	D1BB2202A073	M 22KOHM,J.1/10W
R224	D0XGR10J0007	M 0.1OOHM,J, 5W
R225	D0XGR10J0007	M 0.1OOHM,J, 5W
R227	D1BD51R0A066	M0.51KOHM,F.1/8W
R229	D0GDR00J0004	M 0 OHM, 1/8W
R230	D1DE100JA019	M 100 OHM, 1/4W
R231	D1BB2202A073	M 22KOHM,J.1/10W
R234	D0XGR10J0007	M 0.1OOHM,J, 5W
R235	D0XGR10J0007	M 0.1OOHM,J, 5W
R236	D1BB2200A073	M 220 OHM,J.1/10W
R237	D1BB2200A073	M 220 OHM,J.1/10W
R238	D1BB5103A073	M 510KOHM,J.1/10W
R239	D1BB5103A073	M 510KOHM,J.1/10W
R247	D0GDR00J0004	M 0 OHM, 1/8W
R250	D1BB1800A073	M 180 OHM,J.1/10W
R251	D1BB1200A073	M 120 OHM,J.1/10W
R252	D1BB1800A073	M 180 OHM,J.1/10W
R253	D1BB1200A073	M 120 OHM,J.1/10W
R258	D1BD51R0A066	M 0.51KOHM,F.1/8W
R259	D1BD51R0A066	M 0.51KOHM,F.1/8W
R260	D1BD3303A066	M 330KOHM.F.1/8W
R261	D1BD3303A066	M 330KOHM.F.1/8W
R262	D1BD3303A066	M 330KOHM.F.1/8W
R263	D1BD1603A066	M 160KOHM.F.1/8W

Ref. No.	Part No.	Part Name & Description
R301	D1BD3303A066	M 330KOHM.F.1/8W
R302	D1BD3303A066	M 330KOHM.F.1/8W
R303	D1BD3303A066	M 330KOHM.F.1/8W
R304	D1BD3303A066	M 330KOHM.F.1/8W
R305	D1BD3303A066	M 330KOHM.F.1/8W
R306	D1BD1002A066	M 100 OHM,J.1/10W
R307	D1BD3301A066	M 3.3KOHM,F.1/8W
R308	D1BD4702A066	M 47KOHM,F.1/8W
R309	D1BD5600A066	M 560 OHM,F.1/8W
R310	D1BD4700A066	M 470 OHM,F.1/8W
R311	D1BD1200A066	M 120 OHM,F. 1/8W
R312	D1BD33R0A066	M 33 OHM, F.1/8W
R313	D1BD10R0A066	M 10 OHM,F. 1/8W
R314	D1DE2R2JA019	M 2.2 OHM, 1/4W
R315	D1BB2202A073	M 22KOHM,J.1/10W
R316	D1BD10R0A066	M 10 OHM,F. 1/8W
R317	D1DE2R2JA019	M 2.2 OHM, 1/4W
R318	D1BB2202A073	M 22KOHM,J.1/10W
R319	D1BD10R0A066	M 10 OHM,F. 1/8W
R320	D1BD3303A066	M 330KOHM.F.1/8W
R321	D1BD3303A066	M 330KOHM.F.1/8W
R322	D1BD3303A066	M 330KOHM.F.1/8W
R323	D1BD1603A066	M 160KOHM.F.1/8W
R351	D1BB6202A073	M 62KOHM,J.1/10W
R352	D1BB6202A073	M 62KOHM,J.1/10W
R353	D1BB6202A073	M 62KOHM,J.1/10W
R354	D1BB7502A073	M 75KOHM,J.1/10W
R355	D1BB7502A073	M 75KOHM,J.1/10W
R356	D1BB7502A073	M 75KOHM,J.1/10W
R357	D1BB5101A073	M 5.1KOHM,J.1/10W
R358	D1BB4702A073	M 47KOHM,J.1/10W
R359	D0GBR00J0004	M 0 OHM J 1/10W
R360	D1BB2201A073	M 2.2KOHM,J.1/10W
R361	D1BD1001A066	M 100 OHM,J.1/10W
R369	D1BD4701A066	M 4.7KOHM,F.1/8W
R370	D1BD4701A066	M 4.7KOHM,F.1/8W
R371	D1BD4701A066	M 4.7KOHM,F.1/8W
R372	D1BD4701A066	M 4.7KOHM,F.1/8W
R373	D1BD1002A066	M 100 OHM,J.1/10W
R374	D1BB1002A073	M 10KOHM,J.1/10W
R375	D1BB4701A073	M 4.7KOHM,J.1/10W
R376	D1BB4701A073	M 4.7KOHM,J.1/10W
R377	D1BB2003A073	M 200KOHM,J.1/10W
R378	D1DE330J0001	M 330 OHM, 1/4W
R379	D1BB2702A073	M 27KOHM,J.1/10W
R380	D1BB3303A073	M 330KOHM,J.1/10W
R381	D1BB1803A073	M 18KOHM, J.1/10W
R382	D1BB1003A073	M 100KOHM,J.1/10W
R383	D1BD8202A066	M 750KOHM,F.1/8W
R384	D1BD1003A066	M 100KOHM,J.1/8 W
R385	D1BD1202A066	M 12KOHM,F.1/8W
R386	D1BD6200A066	M 620 OHM,F.1/8W
R387	D1BD1601A066	M 1.6KOHM,F.1/8W
R388	ERG1SJ473P	M 47KOHM, J, 1W

Ref. No.	Part No.	Part Name & Description
R389	ERG2SJ104P	M 100KOHM, J, 2W
R390	D1BD1003A066	M 100KOHM,J.1/8 W
R391	D1BD1001A066	M 100 OHM,J.1/10W
R393	D1BD2001A066	M 2.0KOHM,F.1/8W
R394	D0GDR00J0004	M 0 OHM, 1/8W
R399	D0GBR00J0004	M 0 OHM J 1/10W
R401	D1DE470JA022	M 470 OHM, 1/4W
R403	D0XGR22J0005	M 0.22OHM,J, 5W
R405	D1BD1003A066	M 100KOHM,J.1/8 W
R406	D1BD2202A066	M 22KOHM,F.1/8W
R407	D1BB2201A073	M 2.2KOHM,J.1/10W
R408	ERG2DG224P	M 220KOHM.G.2W
R409	ERG2DG224P	M 220KOHM.G.2W
R410	ERG2DG224P	M 220KOHM.G.2W
R411	D1BD1004A066	M 1000KOHM,F.1/8W
R412	D1BD1002A066	M 100 OHM,J.1/10W
R413	ERG2DG224P	M 220KOHM.G.2W
R441	D1BB6803A073	M 680KOHM,J.1/10W
R442	D1BB1003A073	M 100KOHM,J.1/10W
R445	D0GBR00J0004	M 0 OHM J 1/10W
R447	D1BB2200A073	M 220 OHM,J.1/10W
R448	D1BD3003A066	M 300KOHM.F.1/8W
R449	D1BD2003A066	M 200KOHM.F.1/8W
R451	D1BD3901A066	M 3.9KOHM,F.1/8W
R452	D1BB2702A073	M 27KOHM,J.1/10W
R453	D1BB2702A073	M 27KOHM,J.1/10W
R454	D1BD6201A066	M 6.2KOHM,F.1/8W
R455	D1BD3901A066	M 3.9KOHM,F.1/8W
R456	D1BB1202A073	M 120 OHM,J.1/10W
R457	D1BB3301A073	M 3.3KOHM,J.1/10W
R458	D1BB1203A073	M 120KOHM,J.1/10W
R459	D1BB2003A073	M 200KOHM,J.1/10W
R460	D1BB2201A073	M 2.2KOHM,J.1/10W
R461	D1BD2003A066	M 200KOHM.F.1/8W
R462	D1BB1001A073	M 100 OHM,J.1/10W
R463	D1BB1203A073	M 120KOHM,J.1/10W
R464	D1BB2203A073	M 220KOHM,J.1/10W
R465	D1BB1202A073	M 120 OHM,J.1/10W
R466	D1BB1003A073	M 100KOHM,J.1/10W
R467	D1BB1001A073	M 100 OHM,J.1/10W
R468	D0XGR10J0007	M 0.10OHM,J, 5W
R469	D0GBR00J0004	M 0 OHM J 1/10W
R471	D0GBR00J0004	M 0 OHM J 1/10W
R473	D1BB1002A073	M 10KOHM,J.1/10W
R474	D1BB1002A073	M 10KOHM,J.1/10W
R476	D1BB1003A073	M 100KOHM,J.1/10W
R477	D1BB1003A073	M 100KOHM,J.1/10W
R478	D1BB6802A073	M 68KOHM,J.1/10W
R483	D1BB8202A073	M 82KOHM,J.1/10W
R484	D0GBR00J0004	M 0 OHM J 1/10W
R485	D1BB2702A073	M 27KOHM,J.1/10W
R486	ERX1SJ3R9P	M 3.9 OHM, J, 1W
R487	D1BB4702A073	M 47KOHM,J.1/10W
R488	D1BD1003A066	M 100KOHM,J.1/8 W

Ref. No.	Part No.	Part Name & Description
R489	D1BD1303A066	M 130KOHM.F.1/8W
R490	D1BD2003A066	M 200KOHM.F.1/8W
R491	D1BB1000A073	M 100 OHM,J.1/10W
R492	D1BB1503A073	M 150KOHM,J.1/10W
R493	D1BD3003A066	M 300KOHM.F.1/8W
R496	D0GBR00J0004	M 0 OHM J 1/10W
R497	D1BB1002A073	M 10KOHM,J.1/10W
R498	D1BB1002A073	M 10KOHM,J.1/10W
R502	D1BD3900A066	M 390 OHM,F.1/8W
R503	D1BD1004A066	M 1000KOHM,F.1/8W
R505	D1BB4701A073	M 4.7KOHM,J.1/10W
R506	D1BB1002A073	M 10KOHM,J.1/10W
R507	D1BB4701A073	M 4.7KOHM,J.1/10W
R508	D1BB4701A073	M 4.7KOHM,J.1/10W
R512	ERG2SJ222H	M 2.2KOHM, J, 2W
R513	D1BB1001A073	M 100 OHM,J.1/10W
R514	D1BD1004A066	M 1000KOHM,F.1/8W
R515	D1BB1002A073	M 10KOHM,J.1/10W
R516	D1BB1002A073	M 10KOHM,J.1/10W
R517	D1BB1001A073	M 100 OHM,J.1/10W
R518	D1BD3900A066	M 390 OHM,F.1/8W
R519	D1BD3900A066	M 390 OHM,F.1/8W
R550	D1DE2R2JA019	M 2.2 OHM, 1/4W
R551	D1BB4703A073	M 470KOHM,J.1/10W
R552	D1BB4703A073	M 470KOHM,J.1/10W
R553	D1BB6801A073	M 6.8KOHM,J.1/10W
R554	D1BB6803A073	M 680KOHM,J.1/10W
R555	D1BB1003A073	M 100KOHM,J.1/10W
R556	D1BB1503A073	M 150KOHM,J.1/10W
R557	D1BB3001A073	M 3.0KOHM,J.1/10W
R558	D1BB4702A073	M 47KOHM,J.1/10W
R559	D1BB1002A073	M 10KOHM,J.1/10W
R560	D1BB1002A073	M 10KOHM,J.1/10W
R561	D1BB4701A073	M 4.7KOHM,J.1/10W
R562	D1BB1002A073	M 10KOHM,J.1/10W
R563	D1BB1003A073	M 100KOHM,J.1/10W
R564	D1BB3301A073	M 3.3KOHM,J.1/10W
R565	D1BB3302A073	M 33KOHM,J.1/10W
R566	D1BB1002A073	M 10KOHM,J.1/10W
R567	D1BB3302A073	M 33KOHM,J.1/10W
R568	D1BB2202A073	M 22KOHM,J.1/10W
R569	D1BB1002A073	M 10KOHM,J.1/10W
R570	D1BB1002A073	M 10KOHM,J.1/10W
R571	D1BB4701A073	M 4.7KOHM,J.1/10W
R572	D1BB4701A073	M 4.7KOHM,J.1/10W
R573	D1BB1002A073	M 10KOHM,J.1/10W
R574	D1BB1002A073	M 10KOHM,J.1/10W
R576	D1BB1001A073	M 100 OHM,J.1/10W
R577	D1BB1001A073	M 100 OHM,J.1/10W
R578	D1BB5600A073	M 560 OHMJ.1/10W
R579	D1BB1001A073	M 100 OHM,J.1/10W
R580	D1BB1001A073	M 100 OHM,J.1/10W
R581	D0GDR00J0004	M 0 OHM, 1/8W
R582	D0GDR00J0004	M 0 OHM, 1/8W

Ref. No.	Part No.	Part Name & Description
R583	D1BB6802A073	M 68KOHM,J.1/10W
R584	D1BB6802A073	M 68KOHM,J.1/10W
R585	D1BB4703A073	M 470KOHM,J.1/10W
R586	D1BB4703A073	M 470KOHM,J.1/10W
R587	D1BB1503A073	M 150KOHM,J.1/10W
R588	D1BB1002A073	M 10KOHM,J.1/10W
R589	D1BB4702A073	M 47KOHM,J.1/10W
R590	D1BB4703A073	M 470KOHM,J.1/10W
R591	D1BB1002A073	M 10KOHM,J.1/10W
R592	D1BB1002A073	M 10KOHM,J.1/10W
R593	D1BB4701A073	M 4.7KOHM,J.1/10W
R594	D1BB4701A073	M 4.7KOHM,J.1/10W
R595	D1BB3001A073	M 3.0KOHM,J.1/10W
R596	D1BB4701A073	M 4.7KOHM,J.1/10W
R597	D1BB1002A073	M 10KOHM,J.1/10W
R598	D1BB4701A073	M 4.7KOHM,J.1/10W
R601	D1BD3903A066	M 390KOHM,F. 1/8W
R602	D1BD3903A066	M 390KOHM,F. 1/8W
R603	D1BD3903A066	M 390KOHM,F. 1/8W
R604	D1BD3903A066	M 390KOHM,F. 1/8W
R605	D1BD3903A066	M 390KOHM,F. 1/8W
R606	D1BD3903A066	M 390KOHM,F. 1/8W
R607	D1BD3903A066	M 390KOHM,F. 1/8W
R608	D1BB2002A073	M 20KOHM,J.1/10W
R609	D1BB1003A073	M 100KOHM,J.1/10W
R610	D1BB5600A073	M 560 OHMJ.1/10W
R611	D1BB1001A073	M 100 OHM,J.1/10W
R612	D1BB5600A073	M 560 OHMJ.1/10W
R613	D1BD5600A066	M 560 OHM,F.1/8W
R614	D1BB1002A073	M 10KOHM,J.1/10W
R615	D1BB1002A073	M 10KOHM,J.1/10W
R616	D1BD3903A066	M 390KOHM,F. 1/8W
R617	D1BD3303A066	M 330KOHM.F.1/8W
R618	D1BD1002A066	M 100 OHM,J.1/10W
R619	D0GBR00J0004	M 0 OHM J 1/10W
R620	D0GBR00J0004	M 0 OHM J 1/10W
R621	D1BB1003A073	M 100KOHM,J.1/10W
R635	D1BB4701A073	M 4.7KOHM,J.1/10W
R636	D1BB4701A073	M 4.7KOHM,J.1/10W
R637	D1BD22R0A066	M 0.22 OHM,F.1/8W
R648	D1BB3303A073	M 330KOHM,J.1/10W
R650	D1BB9102A073	M 91KOHM,J.1/10W
R651	D1BB9102A073	M 91KOHM,J.1/10W
R653	D1BB9102A073	M 91KOHM,J.1/10W
R654	D1BB8202A073	M 82KOHM,J.1/10W
R655	D1BB8202A073	M 82KOHM,J.1/10W
R656	D1BB8202A073	M 82KOHM,J.1/10W
R657	D1BB1502A073	M 15KOHM, J.1/10W
R658	D1BB3902A073	M 39KOHM,J.1/10W
R659	D1BB1002A073	M 10KOHM,J.1/10W
R660	D1BB1002A073	M 10KOHM,J.1/10W
R661	D1BB1002A073	M 10KOHM,J.1/10W
R662	D1BB1502A073	M 15KOHM, J.1/10W
R663	D1BB3001A073	M 3.0KOHM,J.1/10W

Ref. No.	Part No.	Part Name & Description
R666	D1BB4701A073	M 4.7KOHM,J.1/10W
R667	D1BB3601A073	M 3.6KOHM,J.1/10W
R668	D1BB2201A073	M 2.2KOHM,J.1/10W
R669	D1BB4701A073	M 4.7KOHM,J.1/10W
R670	D1BB3601A073	M 3.6KOHM,J.1/10W
R671	D1BB2201A073	M 2.2KOHM,J.1/10W
R672	D1BB1003A073	M 100KOHM,J.1/10W
R673	D1BB6801A073	M 6.8KOHM,J.1/10W
R674	D1BB1202A073	M 120 OHM,J.1/10W
R675	D1BB1802A073	M 18KOHM, J.1/10W
R678	D1BB1003A073	M 100KOHM,J.1/10W
R679	D1BB4701A073	M 4.7KOHM,J.1/10W
R680	D1BB4701A073	M 4.7KOHM,J.1/10W
R681	D1BB1003A073	M 100KOHM,J.1/10W
R682	D1BB2203A073	M 220KOHM,J.1/10W
R684	D1BB1001A073	M 100 OHM,J.1/10W
R685	D1BB2203A073	M 220KOHM,J.1/10W
R686	D1BB4701A073	M 4.7KOHM,J.1/10W
R688	D1BB4701A073	M 4.7KOHM,J.1/10W
R693	D1BD1000A066	M 100 OHM,J.1/10W
R694	D1BB1001A073	M 100 OHM,J.1/10W
R696	D1BB4701A073	M 4.7KOHM,J.1/10W
R697	D1BB4701A073	M 4.7KOHM,J.1/10W
R701	D0GBR00J0004	M 0 OHM J 1/10W
R703	D1BB1603A073	M 160KOHM,J.1/10W
R704	D1BB4702A073	M 47KOHM,J.1/10W
R705	D1BB1002A073	M 10KOHM,J.1/10W
R706	D1BB1002A073	M 10KOHM,J.1/10W
R707	D1BB1203A073	M 120KOHM,J.1/10W
R708	D1BB1202A073	M 120 OHM,J.1/10W
R709	D1BB1002A073	M 10KOHM,J.1/10W
R710	D1BB1002A073	M 10KOHM,J.1/10W
R1010	D0GA101JA015	M 100 OHM, J,1/16W
R1011	D0GA101JA015	M 100 OHM, J,1/16W
R1013	D0GA101JA015	M 100 OHM, J,1/16W
R1014	D0GA101JA015	M 100 OHM, J,1/16W
R1015	D0GA101JA015	M 100 OHM, J,1/16W
R1050	D0GA154JA023	M 150KOHM J 1/16W
R1056	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R1100	D0GA122JA023	M 1.2KOHM, J,1/16W
R1101	D0GA473JA015	M 47KOHM, J,1/16W
R1102	D0GA683JA023	M 68KOHM, J,1/16W
R1115	D0GA103JA015	M 10KOHM,J,1/16W
R1117	D1BA7151A014	M 7.15KOHM,J.1/16 W
R1118	D0GA102JA023	M 1KOHM, J.1/16 W
R2810	D0GB470JA065	M 47 OHM,J.1/10W
R2811	D0GB104JA065	M SMD 100,00 kOhm 1/10 W
R2812	D0GB224JA065	M SMD 220,00 kOhm 1/10 W
R2813	D0GB223JA065	M SMD 22,00 kOhm 1/10 W
R2814	D0GB103JA065	M SMD 10,00 kOhm 1/10 W
R2815	D0GB473JA065	M SMD 47,00 kOhm 1/10 W
R2816	D1BB1621A055	M 1,62 kOhm 1/10 W
R2817	D0GB223JA065	M SMD 22,00 kOhm 1/10 W
R2818	D0GB473JA065	M SMD 47,00 kOhm 1/10 W

Ref. No.	Part No.	Part Name & Description
R2819	D1BB4301A055	M 4,30 kOhm 1/10W
R2821	D0GB222JA065	M 2.2KOHM,J,1/10W
R2858	D0GB101JA065	M 100 OHM,J,1/10W
R3012	D0GA680JA023	M 68,00 Ohm 1/16 W
R3013	D0GA101JA015	M 100,00 Ohm 1/16 W
R3014	D0GA680JA023	M 68,00 Ohm 1/16 W
R3015	D0GA101JA015	M 100,00 Ohm 1/16 W
R3016	D0GA680JA023	M 68,00 Ohm 1/16 W
R3020	D0GA680JA023	M 68,00 Ohm 1/16 W
R3021	D0GA680JA023	M 68,00 Ohm 1/16 W
R3022	D0GA680JA023	M 68,00 Ohm 1/16 W
R3023	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3024	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3025	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3026	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3027	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3028	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3030	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3033	D0GA331JA023	M SMD 330,00 Ohm 1/16 W
R3034	D0GA331JA023	M SMD 330,00 Ohm 1/16 W
R3051	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3052	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R3056	D0GA680JA023	M 68,00 Ohm 1/16 W
R3058	D0GA680JA023	M 68,00 Ohm 1/16 W
R3067	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3070	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3071	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3072	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3073	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3074	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3075	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3082	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3083	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3084	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3085	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3086	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3087	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3088	D0GAR00J0005	M 0 OHM, 1/16W
R3089	D0GAR00J0005	M 0 OHM, 1/16W
R3090	D0GAR00J0005	M 0 OHM, 1/16W
R3091	D0GAR00J0005	M 0 OHM, 1/16W
R3092	D0GAR00J0005	M 0 OHM, 1/16W
R3093	D0GAR00J0005	M 0 OHM, 1/16W
R3094	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3095	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3096	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3097	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3146	D0GA184JA023	M 180,00 kOhm
R3148	D0GA184JA023	M 180,00 kOhm
R3149	D0GA101JA015	M 100,00 Ohm 1/16 W
R3150	D0GA101JA015	M 100,00 Ohm 1/16 W
R3151	D0GA105JA023	M SMD 1,00 MOhm 1/16 W
R3152	D0GA473JA015	M 47,00 kOhm 1/16 W
R3153	D0GA102JA023	M SMD 1,00 kOhm 1/16 W

Ref. No.	Part No.	Part Name & Description
R3154	D0GA274JA023	M 270,00 kOhm
R3155	D0GD101JA052	M SMD 100,00 Ohm 1/8 W
R3157	D0GD101JA052	M SMD 100,00 Ohm 1/8 W
R3174	D0GA473JA015	M 47,00 kOhm 1/16 W
R3189	D1BB75R0A055	M 75 OHM,J.1/10W
R3192	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3193	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3194	D1BB75R0A055	M 75 OHM,J.1/10W
R3198	D1BB75R0A055	M 75 OHM,J.1/10W
R3202	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3204	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3208	D1BB75R0A055	M 75,00 Ohm 1/10W
R3215	D1BB75R0A055	M 75,00 Ohm 1/10W
R3216	D1BB75R0A055	M 75,00 Ohm 1/10W
R3217	D1BB75R0A055	M 75,00 Ohm 1/10W
R3220	D0GAR00J0005	M 0 OHM, 1/16W
R3221	D0GAR00J0005	M 0 OHM, 1/16W
R3222	D0GAR00J0005	M 0 OHM, 1/16W
R3223	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3224	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3225	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3226	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3227	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3228	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R3229	D1BB75R0A055	M 75,00 Ohm 1/10W
R3230	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3231	D0GB393JA065	M SMD 39,00 kOhm 1/10W
R3301	D1BB75R0A055	M 75,00 Ohm 1/10W
R3302	D1BB75R0A055	M 75,00 Ohm 1/10W
R3303	D1BB75R0A055	M 75,00 Ohm 1/10W
R3304	D0GDR00J0004	M SMD 0,00 Ohm 1/8 W
R3305	D0GDR00J0004	M SMD 0,00 Ohm 1/8 W
R3313	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R3314	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R3750	D0GA103JA015	M 10,00 kOhm 1/16 W
R4512	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R4513	D0GA151JA023	M 150,00 Ohm
R4514	D0GA151JA023	M 150,00 Ohm
R4515	D0GA151JA023	M 150,00 Ohm
R4517	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4526	D0GA103JA015	M 10,00 kOhm 1/16 W
R4534	D0GA560JA023	M 56,00 Ohm 1/16 W
R4535	D0GA560JA023	M 56 OHM, J,1/16W
R4555	D0GA473JA015	M 47,00 kOhm 1/16 W
R4556	D0GA473JA015	M 47,00 kOhm 1/16 W
R4558	D0GA473JA015	M 47,00 kOhm 1/16 W
R4560	D0GA273JA023	M 27,00 kOhm
R4590	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R4591	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R4602	D0GA103JA015	M 10,00 kOhm 1/16 W
R4608	D0GA103JA015	M 10,00 kOhm 1/16 W
R4609	D0GA103JA015	M 10,00 kOhm 1/16 W
R4611	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4612	D0GA473JA015	M 47,00 kOhm 1/16 W

Ref. No.	Part No.	Part Name & Description
R4615	D0GA103JA015	M 10,00 kOhm 1/16 W
R4621	D0GA103JA015	M 10,00 kOhm 1/16 W
R4622	D0GA103JA015	M 10,00 kOhm 1/16 W
R4624	D0GA473JA015	M 47,00 kOhm 1/16 W
R4625	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4631	D0GA103JA015	M 10,00 kOhm 1/16 W
R4635	D0GA103JA015	M 10,00 kOhm 1/16 W
R4637	D0GA473JA015	M 47,00 kOhm 1/16 W
R4638	D0GA103JA015	M 10,00 kOhm 1/16 W
R4639	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4646	D0GA680JA023	M 68,00 Ohm 1/16 W
R4647	D0GA680JA023	M 68,00 Ohm 1/16 W
R4648	D0GA680JA023	M 68,00 Ohm 1/16 W
R4649	D0GA680JA023	M 68,00 Ohm 1/16 W
R4650	D0GA680JA023	M 68,00 Ohm 1/16 W
R4651	D0GA680JA023	M 68,00 Ohm 1/16 W
R4691	D0GA473JA015	M 47,00 kOhm 1/16 W
R4692	D0GA473JA015	M 47,00 kOhm 1/16 W
R4693	D0GA473JA015	M 47,00 kOhm 1/16 W
R4700	D0GA103JA015	M 10,00 kOhm 1/16 W
R4701	D0GA103JA015	M 10,00 kOhm 1/16 W
R4702	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4703	D0GA103JA015	M 10KOHM,J,1/16W
R4704	D0GA103JA015	M 10,00 kOhm 1/16 W
R4705	D0GA473JA015	M 47,00 kOhm 1/16 W
R4706	D0GA473JA015	M 47,00 kOhm 1/16 W
R4707	D0GA680JA023	M 68,00 Ohm 1/16 W
R4708	D0GA680JA023	M 68,00 Ohm 1/16 W
R4767	D0GA392JA023	M 3,90 kOhm 1/16 W
R4770	D0GA473JA015	M 47,00 kOhm 1/16 W
R4771	D0GA152JA023	M SMD 1,50 kOhm 1/16 W
R4772	D0GA152JA023	M SMD 1,50 kOhm 1/16 W
R4774	D0GA473JA015	M 47,00 kOhm 1/16 W
R4775	D0GA473JA015	M 47,00 kOhm 1/16 W
R4781	D0GA680JA023	M 68,00 Ohm 1/16 W
R4802	D0GA103JA015	M 10,00 kOhm 1/16 W
R4805	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R4806	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R4810	D0GA680JA023	M 68,00 Ohm 1/16 W
R4824	D0GA101JA015	M 100,00 Ohm 1/16 W
R4825	D0GA101JA015	M 100,00 Ohm 1/16 W
R4901	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R4903	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4904	D0GDR00J0004	M SMD 0,00 Ohm 1/8 W
R4906	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R4909	D0GA103JA015	M 10,00 kOhm 1/16 W
R4910	D0GA272JA023	M 2,70 kOhm 1/16 W
R4916	D0GA103JA015	M 10,00 kOhm 1/16 W
R4917	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R4918	D0GA272JA023	M 2,70 kOhm 1/16 W
R4919	D0GA473JA015	M 47,00 kOhm 1/16 W
R4930	D0GA392JA023	M 3,90 kOhm 1/16 W
R4931	D0GB221JA065	M SMD 220,00 Ohm 1/10 W
R4932	D0GA222JA023	M 2,20 kOhm 1/16 W

Ref. No.	Part No.	Part Name & Description
R4933	D0GA222JA023	M 2,20 kOhm 1/16 W
R4941	D1BB1403A055	M 140,00 kOhm 1/10 W
R4942	D1BB1403A055	M 140,00 kOhm 1/10 W
R4971	D0GA103JA015	M 10,00 kOhm 1/16 W
R4972	D0GA223JA023	M SMD 22,00 kOhm 1/16 W
R4973	D0GA103JA015	M 10,00 kOhm 1/16 W
R4975	D0GA103JA015	M 10,00 kOhm 1/16 W
R4978	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R4982	D0GA101JA015	M 100,00 Ohm 1/16 W
R4983	D0GA101JA015	M 100,00 Ohm 1/16 W
R4985	D0GA103JA015	M 10,00 kOhm 1/16 W
R4986	D0GA103JA015	M 10,00 kOhm 1/16 W
R4987	D0GA101JA015	M 100,00 Ohm 1/16 W
R4988	D0GA473JA015	M 47,00 kOhm 1/16 W
R4989	D0GA103JA015	M 10,00 kOhm 1/16 W
R4990	D0GA105JA023	M SMD 1,00 MOhm 1/16 W
R5000	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R5009	D0GA103JA015	M 10,00 kOhm 1/16 W
R5010	D0GA222JA023	M 2,20 kOhm 1/16 W
R5011	D0GA104JA023	M SMD 100,00 kOhm 1/16 W
R5012	D0GA223JA023	M SMD 22,00 kOhm 1/16 W
R5013	D0GA103JA015	M 10,00 kOhm 1/16 W
R5018	D0GA473JA015	M 47,00 kOhm 1/16 W
R5019	D0GA223JA023	M SMD 22,00 kOhm 1/16 W
R5350	D1BB5101A055	M 5,10 kOhm 1/10W
R5351	D1BB1001A055	M 1,00 kOhm 1/10W
R5352	D0GD4R7JA059	M SMD 4,70 Ohm 1/4 W
R5353	D0GB332JA065	M SMD 3,30 kOhm 1/10 W
R5358	D0GF151JA048	M SMD 150,00 Ohm 1/10 W
R5601	D0GA683JA023	M 68KOHM, J, 1/16W
R5602	D0GA104JA023	M 100KOHM, J, 1/16 W
R5604	D0GA105JA023	M 1M OHM, J, 1/16W
R5605	D0GA101JA015	M 100 OHM, J, 1/16W
R5606	D0GA471JA023	M 470OHM, J, 1/16W
R5648	D0GA103JA015	M 10,00 kOhm 1/16 W
R5650	D0GA473JA015	M 47KOHM, J, 1/16W
R5652	D1BB2101A087	M 2,10 kOhm 1/10 W
R5653	D1BB2402A055	M 24,00 kOhm 1/10W
R5655	D1BB1001A055	M 1,00 kOhm 1/10W
R5660	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5661	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5662	D0GA103JA015	M 10KOHM, J, 1/16W
R5663	D0GA183JA023	M 18,00 kOhm
R5664	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5665	D0GA471JA023	M SMD 470,00 Ohm 1/16 W
R5667	D0GA101JA015	M 100 OHM, J, 1/16W
R5683	D0GA104JA023	M 100KOHM, J, 1/16 W
R5686	D0GA390JA023	M 39,00 Ohm 1/16 W
R5687	D1BB1002A055	M 10,00 kOhm 1/10W
R5705	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5706	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5707	D0GDR00J0004	M SMD 0,00 Ohm 1/8 W
R5900	D0GB390JA065	M SMD 39,00 Ohm 1/10W
R5901	D1BB1002A055	M 10,00 kOhm 1/10W

Ref. No.	Part No.	Part Name & Description
R5902	D1BB5362A055	M 53,60 kOhm 1/10 W
R5904	D1BB3002A055	M 30,00 kOhm 1/10W
R5906	D1BA4642A014	M 46,40 kOhm 1/16 W
R5907	D0GB363JA065	M SMD 36,00 kOhm 1/10 W
R5910	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5911	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5912	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5913	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R5916	D0GA683JA023	M 68,00 kOhm
R6875	D0GA103JA015	M 10,00 kOhm 1/16 W
R8008	D0GA331JA023	M SMD 330,00 Ohm 1/16 W
R8009	D0GBR00J0004	M 0 OHM J 1/10W
R8100	D1BB1271A087	M 1,27 kOhm 1/10W
R8102	D1BB2101A087	M 2,10 kOhm 1/10 W
R8104	D1BB8200A087	M 820,00 Ohm 1/10 W
R8106	D1BB2001A087	M 2,00 kOhm 1/10 W
R8108	D0GB100JA065	M SMD 10,00 Ohm 1/10W
R8110	D0GB100JA065	M SMD 10,00 Ohm 1/10W
R8114	D0GA303JA023	M SMD 30,00 kOhm 1/16 W
R8118	D0GA183JA023	M 18,00 kOhm
R8200	D1BA2400A014	M 240,00 Ohm 1/16 W
R8201	D1BA1001A014	M 1,00 kOhm 1/16 W
R8202	D1BA1001A014	M 1,00 kOhm 1/16 W
R8203	D1BA1001A014	M 1,00 kOhm 1/16 W
R8204	D1BA1001A014	M 1,00 kOhm 1/16 W
R8205	D1BA1001A014	M 1,00 kOhm 1/16 W
R8206	D1BA1001A014	M 1,00 kOhm 1/16 W
R8207	D1BA1001A014	M 1,00 kOhm 1/16 W
R8208	D1BA1001A014	M 1,00 kOhm 1/16 W
R8209	D0GA111JA023	M SMD 110,00 Ohm 1/16 W
R8210	D0GA111JA023	M SMD 110,00 Ohm 1/16 W
R8211	D1BA2400A014	M 240,00 Ohm 1/16 W
R8212	D1BA2400A014	M 240,00 Ohm 1/16 W
R8213	D0GA103JA015	M 10,00 kOhm 1/16 W
R8214	D0GA103JA015	M 10,00 kOhm 1/16 W
R8215	D1BA2400A014	M 240,00 Ohm 1/16 W
R8216	D1BA1001A014	M 1,00 kOhm 1/16 W
R8217	D1BA1001A014	M 1,00 kOhm 1/16 W
R8218	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8219	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8220	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8221	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8222	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8223	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8224	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8225	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8226	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8227	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8228	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8229	EXB28V220JX	M SMD 22,00 Ohm 1/16 W
R8230	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8231	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8232	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8301	D0GA471JA023	M SMD 470,00 Ohm 1/16 W

Ref. No.	Part No.	Part Name & Description
R8302	D0GA360JA023	M 36,00 Ohm 1/16 W
R8303	D0GA360JA023	M 36,00 Ohm 1/16 W
R8304	D1BA6201A014	M 6,20 kOhm 1/16 W
R8305	D1BA6201A014	M 6,20 kOhm 1/16 W
R8307	D1BA6201A014	M 6,20 kOhm 1/16 W
R8381	D1BA75R0A014	M 75,00 Ohm 1/16 W
R8382	D1BA75R0A014	M 75,00 Ohm 1/16 W
R8383	D1BA75R0A014	M 75,00 Ohm 1/16 W
R8384	D1BA75R0A014	M 75,00 Ohm 1/16 W
R8438	EXB2HV103JV	M SMD 10,00 kOhm 1/16 W
R8439	D0GA680JA023	M 68,00 Ohm 1/16 W
R8440	D0GA680JA023	M 68,00 Ohm 1/16 W
R8531	D0GA103JA015	M 10,00 kOhm 1/16 W
R8532	D0GA103JA015	M 10,00 kOhm 1/16 W
R8533	D0GA103JA015	M 10,00 kOhm 1/16 W
R8534	D0GA103JA015	M 10,00 kOhm 1/16 W
R8535	D0GA272JA023	M 2,70 kOhm 1/16 W
R8536	D0GA272JA023	M 2,70 kOhm 1/16 W
R8537	D0GA272JA023	M 2,70 kOhm 1/16 W
R8550	EXB28VR000X	M SMD 0,00 Ohm
R8551	EXB28VR000X	M SMD 0,00 Ohm
R8552	EXB28VR000X	M SMD 0,00 Ohm
R8553	EXB28VR000X	M SMD 0,00 Ohm
R8554	EXB28VR000X	M SMD 0,00 Ohm
R8555	EXB28VR000X	M SMD 0,00 Ohm
R8606	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8607	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8608	D0GA272JA023	M 2,70 kOhm 1/16 W
R8609	D1BA6491A014	M 6,49 kOhm 1/16 W
R8610	D0GA221JA023	M SMD 220,00 Ohm 1/16 W
R8615	D0GA105JA023	M SMD 1,00 MOhm 1/16 W
R8624	D0GA560JA023	M 56,00 Ohm 1/16 W
R8625	D0GA560JA023	M 56,00 Ohm 1/16 W
R8626	D0GA560JA023	M 56,00 Ohm 1/16 W
R8627	D0GA560JA023	M 56,00 Ohm 1/16 W
R8628	D0GA560JA023	M 56,00 Ohm 1/16 W
R8629	D0GA560JA023	M 56,00 Ohm 1/16 W
R8630	D1HG1038A002	M 10,00 kOhm 1/16 W
R8632	EXB28V560JX	M SMD 56,00 Ohm 1/32W
R8633	D0GA560JA023	M 56,00 Ohm 1/16 W
R8634	EXB28V560JX	M SMD 56,00 Ohm 1/32W
R8636	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8639	D0GA103JA015	M 10,00 kOhm 1/16 W
R8640	D0GA103JA015	M 10,00 kOhm 1/16 W
R8641	D0GBR00J0004	M SMD 0,00 Ohm 1/10 W
R8648	D0GA560JA023	M 56,00 Ohm 1/16 W
R8649	D0GA101JA015	M 100,00 Ohm 1/16 W
R8650	D0GA560JA023	M 56,00 Ohm 1/16 W
R8651	D0GA560JA023	M 56,00 Ohm 1/16 W
R8652	D0GA101JA015	M 100,00 Ohm 1/16 W
R8653	D0GA560JA023	M 56,00 Ohm 1/16 W
R8654	EXB28V560JX	M SMD 56,00 Ohm 1/32W
R8655	D0GA560JA023	M 56,00 Ohm 1/16 W
R8656	D0GA560JA023	M 56,00 Ohm 1/16 W

Ref. No.	Part No.	Part Name & Description
R8657	D0GA560JA023	M 56,00 Ohm 1/16 W
R8658	D0GA560JA023	M 56,00 Ohm 1/16 W
R8659	D0GA560JA023	M 56,00 Ohm 1/16 W
R8660	D0GA560JA023	M 56,00 Ohm 1/16 W
R8661	D0GA103JA015	M 10,00 kOhm 1/16 W
R8663	D0GA103JA015	M 10,00 kOhm 1/16 W
R8665	D0GA560JA023	M 56,00 Ohm 1/16 W
R8704	D1BB5362A055	M 53,60 kOhm 1/10 W
R8705	D1BB1002A055	M 10,00 kOhm 1/10W
R8706	D0GA390JA023	M 39,00 Ohm 1/16 W
R8707	D1BB1002A055	M 10,00 kOhm 1/10W
R8751	D0GA222JA023	M 2,20 kOhm 1/16 W
R8752	D0GA332JA023	M 3,30 kOhm 1/16 W
R8753	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R8754	D0GA103JA015	M 10,00 kOhm 1/16 W
R8756	D0GB390JA065	M SMD 39,00 Ohm 1/10W
R8757	D1BB4301A055	M 4,30 kOhm 1/10W
R8758	D1BB2402A055	M 24,00 kOhm 1/10W
R8759	D1BB6041A055	M 6,04 kOhm 1/10W
R8760	D0GA104JA023	M SMD 100,00 kOhm 1/16 W
R8761	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R8762	D0GD472JA052	M SMD 4,70 kOhm 1/8 W
R8763	D0GD472JA052	M SMD 4,70 kOhm 1/8 W
R8764	D0GDR00J0004	M 0 OHM, 1/8W
R8772	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8773	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8800	D0GA103JA015	M 10,00 kOhm 1/16 W
R8801	D0GA103JA015	M 10,00 kOhm 1/16 W
R8802	D0GA103JA015	M 10,00 kOhm 1/16 W
R8803	D0GA103JA015	M 10,00 kOhm 1/16 W
R8804	D0GA473JA015	M 47,00 kOhm 1/16 W
R8805	D0GA103JA015	M 10,00 kOhm 1/16 W
R8811	D0GA103JA015	M 10,00 kOhm 1/16 W
R8816	D0GA103JA015	M 10,00 kOhm 1/16 W
R8818	D0GA103JA015	M 10,00 kOhm 1/16 W
R8819	D0GA103JA015	M 10,00 kOhm 1/16 W
R8821	D0GA473JA015	M 47,00 kOhm 1/16 W
R8824	D0GA103JA015	M 10,00 kOhm 1/16 W
R8831	D0GA103JA015	M 10,00 kOhm 1/16 W
R8835	D0GA103JA015	M 10,00 kOhm 1/16 W
R8838	D0GA103JA015	M 10,00 kOhm 1/16 W
R8843	D0GA103JA015	M 10,00 kOhm 1/16 W
R8846	D0GA273JA023	M 27,00 kOhm
R8847	D0GA243JA023	M 24,00 kOhm
R8853	D0GA103JA015	M 10,00 kOhm 1/16 W
R8856	D0GA103JA015	M 10,00 kOhm 1/16 W
R8857	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R8858	D0GA473JA015	M 47,00 kOhm 1/16 W
R8909	D0GA222JA023	M 2,20 kOhm 1/16 W
R8910	D0GA103JA015	M 10,00 kOhm 1/16 W
R8925	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8926	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8927	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8928	D0GA220JA023	M SMD 22,00 Ohm 1/16 W

Ref. No.	Part No.	Part Name & Description
R8929	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8930	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8931	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8932	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8933	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8934	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8935	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8936	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8937	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R8938	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8939	D0GA472JA023	M SMD 4,70 kOhm 1/16 W
R8940	EXB2HV470JV	M SMD 47,00 Ohm 1/16 W
R8942	D0GA101JA015	M 100,00 Ohm 1/16 W
R8944	EXB28V560JX	M 56,00 Ohm 1/32W
R8950	D0GA473JA015	M 47,00 kOhm 1/16 W
R8953	D0GA272JA023	M 2,70 kOhm 1/16 W
R8954	D0GA272JA023	M 2,70 kOhm 1/16 W
R8955	D0GA272JA023	M 2,70 kOhm 1/16 W
R8956	D0GA272JA023	M 2,70 kOhm 1/16 W
R8957	D0GA272JA023	M 2,70 kOhm 1/16 W
R8958	D0GA272JA023	M 2,70 kOhm 1/16 W
R8959	D0GA272JA023	M 2,70 kOhm 1/16 W
R8960	D0GA272JA023	M 2,70 kOhm 1/16 W
R8961	EXB28V332JX	M 3,30 kOhm
R8967	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R8968	D0GA473JA015	M 47,00 kOhm 1/16 W
R8969	D0GA101JA015	M 100,00 Ohm 1/16 W
R8970	D0GA101JA015	M 100,00 Ohm 1/16 W
R9035	D0GA103JA015	M 10,00 kOhm 1/16 W
R9050	D0GA220JA023	M SMD 22,00 Ohm 1/16 W
R9051	D0GAR00J0005	M SMD 0,00 Ohm 1/16 W
R9105	D0GA473JA015	M 47,00 kOhm 1/16 W
R9109	D0GA101JA015	M 100,00 Ohm 1/16 W
R9198	EXB28V101JX	M SMD 100,00 Ohm 1/16 W
R9203	D0GA272JA023	M 2,70 kOhm 1/16 W
R9205	D0GA333JA023	M 33,00 kOhm
R9206	D0GA563JA023	M 56,00 kOhm
R9208	EXB2HV470JV	M SMD 47,00 Ohm 1/16 W
R9209	EXB2HV470JV	M SMD 47,00 Ohm 1/16 W
R9224	D0GA470JA023	M 47,00 Ohm 1/16 W
R9226	D0GA470JA023	M 47,00 Ohm 1/16 W
R9247	D0GA470JA023	M 47,00 Ohm 1/16 W
R9307	D0GA470JA023	M 47,00 Ohm 1/16 W
R9308	D0GA470JA023	M 47,00 Ohm 1/16 W
R9320	D0GA182JA023	M 1,80 kOhm 1/16 W
R9321	D0GA105JA023	M SMD 1,00 MOhm 1/16 W
R9324	D0GB122JA065	M SMD 1,20 kOhm 1/10W
R9325	D0GB122JA065	M SMD 1,20 kOhm 1/10W
R9326	D0GB122JA065	M SMD 1,20 kOhm 1/10W
R9327	D0GB122JA065	M SMD 1,20 kOhm 1/10W
R9329	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R9330	D0GA102JA023	M SMD 1,00 kOhm 1/16 W
R9400	EXB2HV103JV	M 10,00 kOhm 1/16 W
R9401	EXB2HV103JV	M 10,00 kOhm 1/16 W

Ref. No.	Part No.	Part Name & Description
R9402	EXB28V103JX	M 10,00 kOhm
R9533	EXB28V103JX	M 10,00 kOhm
R9534	D0GA103JA015	M 10,00 kOhm 1/16 W
R9535	EXB28V470JX	M SMD 47,00 Ohm
R9536	D0GA470JA023	M 47,00 Ohm 1/16 W
R9541	D0GA470JA023	M 47,00 Ohm 1/16 W
R9542	D0GA470JA023	M 47,00 Ohm 1/16 W
R9608	EXB2HV470JV	M 47,00 Ohm 1/16 W
R9610	EXB28V470JX	M 47,00 Ohm
R9860	D1BB1101A055	M 1,10 kOhm 1/10 W
R9861	D1BB1911A074	M 1,91 kOhm 1/10 W
R9862	D1BB3601A055	M 3,60 kOhm 1/10W
R9863	D1BB8200A087	M 820,00 Ohm 1/10 W
R9864	D0GB100JA065	M SMD 10,00 Ohm 1/10W
R9865	D0GB100JA065	M SMD 10,00 Ohm 1/10W
R9866	D0GA153JA023	M 15,00 kOhm
R9867	D0GA273JA023	M 27,00 kOhm
R9907	D0GA101JA015	M 100,00 Ohm 1/16 W
R16001	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16002	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16003	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16021	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16022	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16023	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16031	D0GF473JA048	M 47KOHM,J,1/3W
R16032	D0GF473JA048	M 47KOHM,J,1/3W
R16041	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16043	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16051	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16053	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16101	D0GD150JA059	M 15 OHM,J,1/4W
R16102	D0GD150JA059	M 15 OHM,J,1/4W
R16105	D0GF474JA048	M 470KOHM,J,1/3W
R16116	D0GB473JA065	M 47KOHM J. 1/10W
R16130	D0GB103JA065	M 10K OHM J 1/10W
R16131	D0GB220JA065	M 22 OHM J 1/10W
R16132	D0GB101JA065	M 100 OHM,J,1/10W
R16133	D1BD2700A044	M 270 OHM,J,1/8 W
R16134	D0GD750JA059	M 75 OHM,J,1/4W
R16135	D0GB4R7JA065	M 4.7 OHM J 1/10W
R16137	D0GZ1R0JA020	M 1 OHM, J,1/2W
R16138	D0GF561JA047	M 560 OHM,J, 1/3W
R16141	D0GD100JA059	M 10 OHM,J,1/4W
R16143	D0GB473JA065	M 47KOHM J. 1/10W
R16151	D0GB220JA065	M 22 OHM J 1/10W
R16152	D0GB220JA065	M 22 OHM J 1/10W
R16153	D0GB331JA065	M 330 OHM J 1/10W
R16154	D0GD750JA059	M 75 OHM,J,1/4W
R16155	D0GB4R7JA065	M 4.7 OHM J 1/10W
R16161	D0GD100JA059	M 10 OHM,J,1/4W
R16163	D0GB473JA065	M 47KOHM J. 1/10W
R16171	D0GD100JA059	M 10 OHM,J,1/4W
R16173	D0GB473JA065	M 47KOHM J. 1/10W
R16181	D0GD100JA059	M 10 OHM,J,1/4W

Ref. No.	Part No.	Part Name & Description
R16183	D0GB473JA065	M 47KOHM J. 1/10W
R16191	D1BD2700A044	M 270 OHM,J.1/8 W
R16192	D0GB103JA065	M 10K OHM J 1/10W
R16193	D0GD750JA052	M 75 OHM,J,1/8W
R16195	D0GF1R0JA047	M 1 OHM,J,1/3W
R16196	D0GF102JA048	M 1.0 KOHM,J,1/3W
R16197	D0GB220JA065	M 22 OHM J 1/10W
R16230	D0GD470JA052	M 47 OHM,J,1/8W
R16231	D0GB472JA065	M 4.7KOHM, J,1/10W
R16241	EXB38V470J	M 47 OHM 1/16 W
R16242	EXB38V472JV	M 4.7 kOHM 1/16 W
R16243	D0GB103JA065	M 10K OHM J 1/10W
R16244	D0GB273JA065	M 27K OHM J 1/10W
R16245	D0GB472JA065	M 4.7KOHM, J,1/10W
R16246	D0GD222JA052	M 2.2KOHM,J,1/8W
R16252	D0GF563JA048	M 56 KOHM,J,1/3W
R16253	D1BD1003A044	M 100KOHM,J.1/8 W
R16254	D1BD4422A044	M 44.2KOHM,F.1/8W
R16255	D0GB103JA065	M 10K OHM J 1/10W
R16257	D0GB473JA065	M 47KOHM J. 1/10W
R16281	D0GB103JA065	M 10K OHM J 1/10W
R16282	D0GD221JA052	M 220 OHM,J 1/4W
R16283	D0GB473JA065	M 47KOHM J. 1/10W
R16284	D0GB224JA065	M 220KOHM,J,1/10W
R16285	EXB38V623J	M 62 kOHM 1/16 W
R16288	D0GF334JA047	M 330KOHMJ,1/3W
R16289	D0GF334JA047	M 330KOHMJ,1/3W
R16290	D0GF334JA047	M 330KOHMJ,1/3W
R16307	D1BD5232A077	M 52.3KOHM,D.1/10W
R16309	ERG2FJX563E	M 56KOHM, J, 2W
R16310	ERG2FJX563E	M 56KOHM, J, 2W
R16311	ERG2FJX563E	M 56KOHM, J, 2W
R16317	D1BD5762A077	M 57.6KOHM,D.1/10W
R16318	D1BD5762A077	M 57.6KOHM,D.1/10W
R16319	D1BD2491A077	M 2.49KOHM,D.1/10W
R16320	ERJ14YJ683	M 68KOHM, J. 1/4W
R16330	D0GB102JA065	M 1KOHM,J,1/10W
R16332	D0GB474JA065	M 470KOHM,J,1/10W
R16334	D0GB472JA065	M 4.7KOHM, J,1/10W
R16335	D0GB102JA065	M 1KOHM,J,1/10W
R16401	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16402	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16403	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16411	D1BD2700A044	M 270 OHM,J.1/8 W
R16412	D1BD2700A044	M 270 OHM,J.1/8 W
R16414	D0GB103JA065	M 10K OHM J 1/10W
R16416	D0GB103JA065	M 10K OHM J 1/10W
R16421	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16422	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16423	D0GF7R5JA047	M 7.5 OHM,J, 1/3W
R16441	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16442	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16451	D0GF5R6JA047	M 5.6 OHM,J, 1/3W
R16452	D0GF5R6JA047	M 5.6 OHM,J, 1/3W

Ref. No.	Part No.	Part Name & Description
R16466	D0GF473JA048	M 47KOHM,J,1/3W
R16467	D0GF473JA048	M 47KOHM,J,1/3W
R16471	D0GB392JA065	M 3.9KOHM,J,1/10W
R16472	D0GB222JA065	M 2.2KOHM,J,1/10W
R16473	D0GD561JA052	M 560 OHM,J,1/4W
R16474	D0GB102JA065	M 1KOHM,J,1/10W
R16475	D0GB472JA065	M 4.7KOHM, J,1/10W
R16476	D0GB222JA065	M 2.2KOHM,J,1/10W
R16478	D0GB562JA065	M 5.6KOHM,J,1/10W
R16479	D0GD103JA052	M 10KOHM,J,1/8W
R16490	D1BD1203A077	M 120KOHM,D.1/10W
R16491	D1BD1203A077	M 120KOHM,D.1/10W
R16492	D1BD1203A077	M 120KOHM,D.1/10W
R16493	D1BD5111A077	M 5.11KOHM.J.1/8 W
R16494	D1BB2001A055	M 2KOHM,J,1/10W
R16497	D0GB473JA065	M 47KOHM J. 1/10W
R16498	D0GB103JA065	M 10K OHM J 1/10W
R16501	D0GB220JA065	M 22 OHM J 1/10W
R16503	D0GD100JA059	M 10 OHM,J,1/4W
R16505	D0GF102JA048	M 1.0 KOHM,J,1/3W
R16506	D0GD100JA059	M 10 OHM,J,1/4W
R16507	D0GB220JA065	M 22 OHM J 1/10W
R16508	D0GB220JA065	M 22 OHM J 1/10W
R16512	D0GB473JA065	M 47KOHM J. 1/10W
R16517	D0GB473JA065	M 47KOHM J. 1/10W
R16522	D0GB101JA065	M 100 OHM,J,1/10W
R16525	D0GB4R7JA065	M 4.7 OHM J 1/10W
R16526	D0GB4R7JA065	M 4.7 OHM J 1/10W
R16531	D0GD100JA059	M 10 OHM,J,1/4W
R16532	D0GB473JA065	M 47KOHM J. 1/10W
R16534	D0GF561JA047	M 560 OHM,J, 1/3W
R16536	D0GF1R0JA047	M 1 OHM,J,1/3W
R16537	D0GF1R0JA047	M 1 OHM,J,1/3W
R16551	D0GD100JA059	M 10 OHM,J,1/4W
R16552	D0GB473JA065	M 47KOHM J. 1/10W
R16561	EXB38V470J	M 47 OHM 1/16 W
R16562	EXB38V470J	M 47 OHM 1/16 W
R16563	EXB38V470J	M 47 OHM 1/16 W
R16564	EXB38V470J	M 47 OHM 1/16 W
R16565	EXB38V472JV	M 4.7 kOHM 1/16 W
R16566	EXB38V472JV	M 4.7 kOHM 1/16 W
R16567	EXB38V472JV	M 4.7 kOHM 1/16 W
R16568	EXB38V472JV	M 4.7 kOHM 1/16 W
R16570	EXB38V472JV	M 4.7 kOHM 1/16 W
R16573	D0GB103JA065	M 10K OHM J 1/10W
R16574	D0GB103JA065	M 10K OHM J 1/10W
R16575	D0GB751JA065	M 750 OHM J 1/10W
R16576	D0GB101JA065	M 100 OHM,J,1/10W
R16579	EXB38V470J	M 47 OHM 1/16 W
R16581	D0GB103JA065	M 10K OHM J 1/10W
R16582	D0GF563JA048	M 56 KOHM,J,1/3W
R16583	D1BD1003A044	M 100KOHM,J.1/8 W
R16584	D1BD4422A044	M 44.2KOHM,F.1/8W
R16585	D0GB473JA065	M 47KOHM J. 1/10W







Ref. No.	Part No.	Part Name & Description
R16587	D0GB222JA065	M 2.2KOHM,J,1/10W
R16588	D0GB223JA065	M 22KOHM,J,1/10W
R16590	D0GB221JA065	M 220 OHM J 1/10W
R16591	EXB38V472JV	M 4.7 kOHM 1/16 W
R16594	D0GB472JA065	M 4.7KOHM, J,1/10W
R16601	D0GF1R0JA047	M 1 OHM,J,1/3W
R16604	D0GD331JA052	M 330 OHM,J,1/4W
R16605	D0GD220JA059	M 22 OHM,J,1/4W
R16606	D0GD223JA052	M 22KOHM,J,1/4W
R16607	D1BB5111A055	M 5.11KOHM,J.1/10W
R16608	ERG2FJX153E	M 15KOHM, J, 2W
R16609	D0GF102JA047	M 1.0 KOHM,J,1/3W
R16610	D0GB104JA065	M 100KOHM J 1/10W
R16612	D0GD220JA059	M 22 OHM,J,1/4W
R16615	D1BB1871A055	M 1.87KOHM, 1/10W
R16617	D0GD222JA052	M 2.2KOHM,J,1/8W
R16621	D0GD221JA052	M 220 OHM,J 1/4W
R16622	D0GD221JA052	M 220 OHM,J 1/4W
R16623	D0GD221JA052	M 220 OHM,J 1/4W
R16631	D0GB103JA065	M 10K OHM J 1/10W
R16633	D0GD223JA052	M 22KOHM,J,1/4W
R16634	D0GD222JA052	M 2.2KOHM,J,1/8W
R16645	D0GB562JA065	M 5.6KOHM,J,1/10W
R16646	D1BD8660A044	M 866 OHM,F.1/8W
R16648	D0GF202JA047	M 2KOHM,J,1/3W
R16649	D0GD330JA059	M 33 OHM,F,1/4W
R16650	D0GB104JA065	M 100KOHM J 1/10W
R16651	D0GF202JA047	M 2KOHM,J,1/3W
R16653	D0GD222JA052	M 2.2KOHM,J,1/8W
R16654	D0GD470JA052	M 47 OHM,J,1/8W
R16658	D1BD6491A077	M 6.49KOHM,D.1/10W
R16661	D0GD100JA059	M 10 OHM,J,1/4W
R16662	D1BB1002A087	M 10KOHM,J.1/10W
R16663	D1BD9091A077	M 9.09KOHM,D.1/10W
R16664	D0GF202JA047	M 2KOHM,J,1/3W
R16665	D0GD222JA052	M 2.2KOHM,J,1/8W
R16666	D1BB1003A087	M 100KOHM,D 1/10W
R16667	D0GF202JA047	M 2KOHM,J,1/3W
R16668	D0GF202JA047	M 2KOHM,J,1/3W
R16674	D0GF202JA047	M 2KOHM,J,1/3W
R16675	D0GB103JA065	M 10K OHM J 1/10W
R16676	D1BD2700A044	M 270 OHM,J.1/8 W
R16677	D0GF202JA047	M 2KOHM,J,1/3W
R16678	D0GF202JA047	M 2KOHM,J,1/3W
R16681	D0GD100JA059	M 10 OHM,J,1/4W
R16682	D0GD100JA059	M 10 OHM,J,1/4W
R16683	D0GD100JA059	M 10 OHM,J,1/4W
R16684	D0GB220JA065	M 22 OHM J 1/10W
R16685	D1BD1500A044	M 150 OHM,J.1/8 W
R16686	D0GB103JA065	M 10K OHM J 1/10W
R16696	D0D26R2JA034	M 2.6 OHM,J,2W
R16697	D0D26R2JA034	M 2.6 OHM,J,2W
R16698	D0D26R2JA034	M 2.6 OHM,J,2W
R16699	D0D26R2JA034	M 2.6 OHM,J,2W

Ref. No.	Part No.	Part Name & Description
R16719	D0GB220JA065	M 22 OHM J 1/10W
R16721	EXB38V220JV	M 22 OHM 1/16 W
R16761	D0GD100JA059	M 10 OHM,J,1/4W
R16763	D0GB473JA065	M 47KOHM J. 1/10W
R16772	D0GB472JA065	M 4.7KOHM, J,1/10W
R16773	D0GD102JA052	M 1.0KOHM,J,1/8W
R16776	D0GD470JA052	M 47 OHM,J,1/8W
R16786	D1BD5902A044	M 59KOHM,F.1/8W
R16791	D0GB102JA065	M 1KOHM,J,1/10W
R16797	D0GD220JA052	M 22 OHM,J,1/4W
R16798	D0GB222JA065	M 2.2KOHM,J,1/10W
R16799	D0GB102JA065	M 1KOHM,J,1/10W
R16815	D0GB103JA065	M 10K OHM J 1/10W
R16818	D1BB3302A055	M 33KOHM,J.1/10W
R16819	D1BD1503A044	M 150KOHM.F.1/8W
R16820	D1BD1503A044	M 150KOHM.F.1/8W
R16822	D1BD8202A044	M 82KOHM,J.1/8 W
R16823	D1BD6192A044	M 61.9KOHM,J.1/8 W
R16824	D1BD3742A044	M 37.4KOHM,F.1/8W
R16825	D0GD154JA059	M 150KOHM,J,1/4W
R16826	D0GB103JA065	M 10K OHM J 1/10W
R16829	D0GB102JA065	M 1KOHM,J,1/10W
R16831	D1BD6812A077	M 68.1KOHM,D.1/10W
R16832	D1BD7152A077	M 71.5K0OHM,D.1/10W
R16833	ERG1FJX683E	M 68KOHM, J, 1W
R16834	ERG1FJX683E	M 68KOHM, J, 1W
R16838	ERG2FJX104	M 100KOHM, J, 1W
R16841	D0GB472JA065	M 4.7KOHM, J,1/10W
R16842	D0GD102JA052	M 1.0KOHM,J,1/8W
R16844	ERA6YEB242	M 2.4KOHM, B 1/10W
R16845	D1BD6812A077	M 68.1KOHM,D.1/10W
R16846	D1BD5762A077	M 57.6KOHM,D.1/10W
R16847	D1BD6492A077	M 64.9KOHM,D.1/10W
R16851	D0GB474JA065	M 470KOHM,J,1/10W
R16852	D0GB474JA065	M 470KOHM,J,1/10W
R16856	D0GB102JA065	M 1KOHM,J,1/10W
R16873	ERA6YEB242	M 2.4KOHM, B 1/10W
R16891	D1BF6982A058	M 69.8KOHM, 1/4W
R16892	D1BF8252A058	M 82.50KOHM, 1/4W
R16893	D1BF8252A058	M 82.50KOHM, 1/4W
R16894	D1BB3091A087	M 3.09KOHM,D 1/16W
R16895	D1BB9091A087	M 9.09 KOHM,J.1/10W
R16897	D1BB2262A055	M 22.6KOHM F 1/10W
R16898	D1BB1051A055	M 1.05KOHM,J.1/10W
R16899	D1BB1372A055	M 13.7KOHM, 1/10W
R16900	D1BB3831A055	M 3.83KOHM,D 1/16W
R16902	D0GB6R2JA065	M 6.2 OHM J 1/10W
R16919	D1BB1582A055	M 15.8KOHM, 1/10W
R16920	D0GB101JA065	M 100 OHM,J,1/10W
R16921	D1BB2152A055	M 21.5KOHM, 1/10W
R16922	D1BB9531A055	M 9.53KOHM,J.1/10W
R16923	D1BB5111A055	M 5.11KOHM,J.1/10W
R16924	D1BB1152A055	M 11.5KOHM 1/10W
R16931	D1BF2R70A021	M 2.7 OHM, 1/4W

TC-P50GT30A

Ref. No.	Part No.	Part Name & Description
R16932	D0GD223JA052	M 22KOHM,J,1/4W
R16937	D0GB184JA065	M 180KOHM J 1/10W
R16939	D0GD102JA052	M 1.0KOHM,J,1/8W
R16940	D0GB473JA065	M 47KOHM J. 1/10W
R16941	D0GB472JA065	M 4.7KOHM, J,1/10W
R16942	D0GB473JA065	M 47KOHM J. 1/10W
R16945	D0GB471JA065	M 470 OHM,J,1/10W
R17101	D0GB101JA065	M 100 OHM,J,1/10W
R17102	D0GB101JA065	M 100 OHM,J,1/10W
R17103	D0GB101JA065	M 100 OHM,J,1/10W
R17104	D1BB49R90002	M 49 OHM,J,1/10W
R17105	D1BB49R90002	M 49 OHM,J,1/10W
R17106	D1BB49R90002	M 49 OHM,J,1/10W
R17107	D0GB101JA065	M 100 OHM,J,1/10W
R17108	D1BB49R90002	M 49 OHM,J,1/10W
R17110	D0GF223JA047	M 22KOHM,J, 1/3W
R17111	D0GB331JA065	M 330 OHM J 1/10W
R17112	D0GB102JA065	M 1KOHM,J,1/10W
R17131	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17133	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17135	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17145	D0GBR00J0004	M 0 OHM J 1/10W
R17146	D0GBR00J0004	M 0 OHM J 1/10W
R17161	D0GBR00J0004	M 0 OHM J 1/10W
R17162	D0GBR00J0004	M 0 OHM J 1/10W
R17164	D0GB470JA065	M 47 OHM,J,1/10W
R17165	D1BB49R90002	M 49 OHM,J,1/10W
R17166	D1BB49R90002	M 49 OHM,J,1/10W
R17167	D1BB49R90002	M 49 OHM,J,1/10W
R17168	D1BB49R90002	M 49 OHM,J,1/10W
R17196	D0GB102JA065	M 1KOHM,J,1/10W
R17198	D0GD224JA052	M 220KOHM,J,1/8W
R17199	D0GF102JA047	M 1.0 KOHM,J,1/3W
R17201	D0GB101JA065	M 100 OHM,J,1/10W
R17202	D0GB101JA065	M 100 OHM,J,1/10W
R17203	D0GB101JA065	M 100 OHM,J,1/10W
R17204	D0GB101JA065	M 100 OHM,J,1/10W
R17205	D0GB101JA065	M 100 OHM,J,1/10W
R17206	D0GB101JA065	M 100 OHM,J,1/10W
R17207	D0GB101JA065	M 100 OHM,J,1/10W
R17208	D0GB101JA065	M 100 OHM,J,1/10W
R17209	D0GB101JA065	M 100 OHM,J,1/10W
R17210	D0GB101JA065	M 100 OHM,J,1/10W
R17211	D0GB101JA065	M 100 OHM,J,1/10W
R17212	D0GB101JA065	M 100 OHM,J,1/10W
R17231	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17233	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17235	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17237	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17239	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17241	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17262	D0GB470JA065	M 47 OHM,J,1/10W
R17263	D0GB681JA065	M 680 OHM,J,1/10W
R17264	D0GB681JA065	M 680 OHM,J,1/10W

Ref. No.	Part No.	Part Name & Description
R17268	D0GD224JA052	M 220KOHM,J,1/8W
R17270	EXB38V470J	M 47 OHM 1/16 W
R17271	EXB38V470J	M 47 OHM 1/16 W
R17272	EXB38V681J	M 680 OHM 1/16 W
R17301	D0GB101JA065	M 100 OHM,J,1/10W
R17302	D0GB101JA065	M 100 OHM,J,1/10W
R17303	D0GB101JA065	M 100 OHM,J,1/10W
R17304	D0GB101JA065	M 100 OHM,J,1/10W
R17305	D0GB101JA065	M 100 OHM,J,1/10W
R17306	D0GB101JA065	M 100 OHM,J,1/10W
R17307	D0GB101JA065	M 100 OHM,J,1/10W
R17308	D0GB101JA065	M 100 OHM,J,1/10W
R17309	D0GB101JA065	M 100 OHM,J,1/10W
R17310	D0GB101JA065	M 100 OHM,J,1/10W
R17311	D0GB101JA065	M 100 OHM,J,1/10W
R17312	D0GB101JA065	M 100 OHM,J,1/10W
R17313	D0GB331JA065	M 330 OHM J 1/10W
R17314	D0GB102JA065	M 1KOHM,J,1/10W
R17315	D0GF223JA047	M 22KOHM,J, 1/3W
R17331	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17333	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17335	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17337	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17339	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17341	D0GZ1R0JA020	M 1 OHM, J,1/2W
R17361	D0GB681JA065	M 680 OHM,J,1/10W
R17362	D0GB681JA065	M 680 OHM,J,1/10W
R17366	EXB38V470J	M 47 OHM 1/16 W
R17367	EXB38V470J	M 47 OHM 1/16 W
R17370	EXB38V681J	M 680 OHM 1/16 W
R17398	D0GD224JA052	M 220KOHM,J,1/8W
R17399	D0GF102JA047	M 1.0 KOHM,J,1/3W
RL100	⚠ K6B1AYY00081	RELAY
RM2810	B3RAD0000168	CI SMD
S10	K1KA03BA0061	3P CONNECTOR
S202	⚠ J0LY00000161	SURGE ABSORBER
SC2	K1KY02B00012	2P CONNECTOR
SC20	K1MY35BA0345	35P CONNECTOR
SC41	K1KA09AA0707	9P CONNECTOR
SC42	K1KA09AA0707	9P CONNECTOR
SC46	K1KA09AA0707	9P CONNECTOR
SC50	K1KA02AA0193	2P CONNECTOR
SN2810	B3JB00000078	IC SMD
SS11	K1KY03B00006	3P CONNECTOR
SS33	K1MY20BA0345	20P CONNECTOR
SS53	K1MY13BA0343	13P CONNECTOR
SS54	K1MY13BA0443	13P CONNECTOR

Ref. No.	Part No.	Part Name & Description
SS56	K1MY13BA0443	13P CONNECTOR
SW1	JPM 1140-0111F	TOUCH SWITCH
SW2	JPM 1140-0111F	TOUCH SWITCH
SW3	JPM 1140-0111F	TOUCH SWITCH
SW4	JPM 1140-0111F	TOUCH SWITCH
SW5	JPM 1140-0111F	TOUCH SWITCH
SW2890	K0F126A00003	TOUCH SWITCH
T201	 G0C181K00005	PEAKING COIL
T202	 G0C181K00005	PEAKING COIL
T301	 G4CYAYY00239	TRANSFORMER
T302	 G4CYAYY00239	TRANSFORMER
T303	G0C200K00001	PEAKING COIL
T401	 G4DYA0000278	TRANSFORMER
T8301	G5BYC0000015	TRANSFORMER
T16471	G4DYA0000254	SWITCHING TRANSFORMER
T16472	G4DYA0000255	SWITCHING TRANSFORMER
TU4801	 ENGS6303D5F	TUNER
TU4802	ENGS6102D6F	TUNER
V14	K1KA06B00220	CONNECTOR DE 6 VIAS
VR251	EVMAASA00BE4	CONTROL 22KOHMB
VR600	EVMAASA00BE4	CONTROL 22KOHMB
X8300	H0J245500110	CRYSTAL
X8600	H0J250500109	CRYSTAL
X9300	H0J200500091	CRYSTAL
ZA1	K4AD01A00002	TERMINAL
ZA100	K4AD01A00002	TERMINAL
ZA101	K4AD01A00002	TERMINAL
ZA16001	K4AZ01D00004	TERMINAL
ZA16002	K4AZ01D00004	TERMINAL
ZA16011	K4AZ01D00004	TERMINAL
ZA16012	K4AZ01D00004	TERMINAL
ZA16101	K4AD01Z00003	TERMINAL
ZA16102	K4AD01Z00003	TERMINAL
ZA16105	K4AD01Z00003	TERMINAL
ZA16106	K4AD01Z00003	TERMINAL
ZA16111	K4AA04D00002	TERMINAL
ZA16112	K4AA04D00002	TERMINAL
ZA16115	K4AA04D00002	TERMINAL
ZA16116	K4AA04D00002	TERMINAL
ZA16402	K4AZ01D00004	TERMINAL
ZA16403	K4AZ01D00004	TERMINAL
ZA16411	K4AA04D00002	TERMINAL
ZA16412	K4AA04D00002	TERMINAL
ZA16421	K4AA04D00002	TERMINAL
ZA16422	K4AA04D00002	TERMINAL
ZA17101	K4CD01000013	AV TERMINAL
ZA17102	K4CD01000013	AV TERMINAL

Ref. No.	Part No.	Part Name & Description
ZA17103	K4CD01000013	AV TERMINAL
ZA17201	K4CD01000013	AV TERMINAL
ZA17202	K4CD01000013	AV TERMINAL
ZA17203	K4CD01000013	AV TERMINAL
ZA17204	K4CD01000013	AV TERMINAL
ZA17301	K4CD01000013	AV TERMINAL
ZA17302	K4CD01000013	AV TERMINAL
ZA17303	K4CD01000013	AV TERMINAL
ZA17304	K4CD01000013	AV TERMINAL

Panasonic do Brasil Limitada
DIVISÃO CS - SETOR DE APOIO TÉCNICO
Rod. Presidente Dutra, Km 155
São José dos Campos - SP